

SONY

KP-41S3U

MODEL

SERVICE MANUAL

## SPECIFICATIONS

Television system	B/G/H,D/K,I,L
Colour system	PAL/SECAN and NTSC 3.58/NTSC 4.43 (VIDEO IN)
Channel coverage	See " Receivable channels and channel displays " at the bottom.
Projected picture size	103cm (41 inches)
Terminals	
Rear	<ul style="list-style-type: none"> <li>1 21-pin Euro connector (CENELEC standard) inputs for audio and video signals</li> <li>inputs for RGB</li> <li>outputs of TV video and audio signals</li> <li>2/ 2 21-pin EURO connector</li> <li>inputs for audio and video signals</li> <li>inputs for S Video</li> <li>outputs for audio and video signals (selectable)</li> <li>4/ 4 21-pin Euro connector</li> <li>inputs for audio and video signals</li> <li>inputs for S video</li> <li>outputs for audio and video signals (monitor out)</li> </ul>

Front

Sound output

Power consumption

Dimensions(WxHxD) Approx. 951x991x 588 mm

Weight Approx. 56kg

Supplied accessories See page 6.

Optional accessories TV stand (SU-41S)

Other features Digital comb filter (High resolution)

2, 4 S video inputs

4 pin DIN

Audio inputs (L,R) - phono jacks

S video output 4-pin DIN

Audio outputs-phono jacks

Audio outputs (variable)-phono jacks

External amplifier connectors. 2 terminals

3 video input-phono jack

Audio inputs-phono jacks

3 S video input-4-pin DIN

Headphone jack: stereo minijack

2 x 30W (music power)

2 x 15W (RMS)

175W

Approx. 56kg

See page 6.

TV stand (SU-41S)

Digital comb filter (High resolution)

PIP (Picture-in-picture)

FASTEXT

NICAM

Design and specifications are subject to change without notice.

### Receivable Channel and Channel Displays

	Receivable channel	Indication on the screen
PAL B/G/H	E2..12 21..69	C02 C03 C04..C12 C21..C69
CABLE TV (1)	S1..41	S01 S02..S41
CABLE TV (2)	S01..S05 M1..M10 U1..U10	S42..S46 S01..S10 S11..S20
ITALIA	A B C D E F G H I H2 21..69	C11..C69
SECAM D/K	R01..R12 R21..R60	C02..C12 C21..C60
SECAM L	F2..F10 F21..F69	C01..C12 C21..C69
PAL I	B21.. B68	C21..C68

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(CAUTION)  
SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

SAFETY-RELATED COMPONENT WARNING!!  
COMPONENTS IDENTIFIED BY SHADING AND MARK  $\Delta$  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

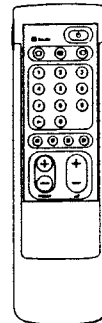
(ATTENTION)  
APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!  
LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MARQUE  $\Delta$  SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES LISTES DE PIECES CONT D'UNE IMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMERO DE PIECE EST INDIQUE DANS LE PRESENT MANUEL OU DANS DES SUPPLEMENTS PUBLIES PAR SONY. LES REGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRESENT MANUEL. SUIVRE CES PROCEDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTE.

# Operating Instructions

GB

## Watching the TV



If no picture appears when you depress  $\odot$  on the TV and if the standby indicator on the TV is lit, the TV is in standby mode. Press  $\odot$  or one of the number buttons to switch it on.

This section explains the basic functions you use while watching TV. Most of the operations can be done using the simple side of the Remote Commander.

### Switching the TV on and off

**Switching on**  
Depress  $\odot$  on the TV.

**Switching off temporarily**  
Press  $\odot$  on the Remote Commander.  
The TV enters standby mode and the standby indicator on the front of the TV lights up.

**To switch on again**  
Press  $\odot$ , PROG  $\leftarrow$ , or one of the number buttons on the Remote Commander.

**Switching off completely**  
Depress  $\odot$  on the TV.

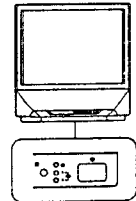
### Selecting TV Programmes

Press PROG  $\leftarrow$  or press the number buttons.

**To select a double-digit number**  
Press  $\leftarrow$ , then the numbers.  
For example, if you want to choose 23, press  $\leftarrow$ , 2, and 3.

### Adjusting the Volume

Press  $\Delta$   $\leftarrow$ .



## Manual Fine-Tuning

Normally, the AFT (automatic fine-tuning) is already operating. However, if the picture is distorted, you can use the manual fine-tuning function to obtain better picture reception.

- 1 Press MENU to display the main menu.
- 2 Select "PRESET" with  $\Delta$  or  $\nabla$  and press OK. The PRESET menu appears.
- 3 Select "MANUAL TUNING" with  $\Delta$  or  $\nabla$  and press OK. The MANUAL TUNING menu appears.
- 4 Select "PR" with  $\Delta$  or  $\nabla$  and press OK.
- 5 Select programme position you want to manually fine-tune with  $\Delta$  or  $\nabla$  and press OK.
- 6 Select "AFT" with  $\Delta$  or  $\nabla$  and press OK.
- 7 Select "OFF" with  $\Delta$  or  $\nabla$  and press OK. (See Fig. 14.)
- 8 Fine-tune the channel with  $\Delta$  or  $\nabla$  so that you get the best TV reception. As you press the cursor buttons, the frequency changes from -128 to +127.
- 9 After fine tuning, press OK. Now the fine-tuned level is stored.
- 10 Repeat steps 4 to 8 to fine-tune other channels.
- 11 Press MENU to return to TV picture.

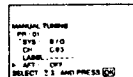


Fig. 14

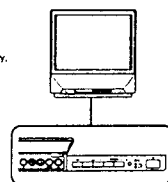
To reactivate AFT (automatic fine-tuning) Repeat from the beginning and select "OK" in step 7.

## Adjusting and Setting the TV Using the Menu

### Operating the TV Using the Buttons on the TV

With the buttons on the TV, you can preset channels automatically, select programmes, adjust the volume, display the menu and select video input sources.

- 1 Press  $\odot$  to preset channels automatically. (See page 8).
- 2 Press PROG  $\leftarrow$  to select programmes.
- 3 Press  $\leftarrow$  to adjust the volume.
- 4 Press MENU /  $\odot$  / OK to control menu.
- 5 Press  $\odot$  to select video input sources.



### Watching Teletext or Video Input

#### Watching teletext

- 1 Press  $\odot$  to view the teletext.
- 2 For teletext operation, enter a 3-digit page number with the number buttons to select a page.  
For teletext operation, press one of the coloured buttons. For both operations, press one of the coloured buttons. For both operations, press one of the coloured buttons.
- 3 To go back to the normal TV picture, press  $\odot$ .

#### Watching a video input picture

- 1 Press  $\odot$  repeatedly until the desired video input appears.
- 2 To go back to the normal TV picture, press  $\odot$ .

### More Convenient Functions

Use the Full-Function side of the Remote Commander.

#### Displaying the on screen indications

- Press G once to display all the indications.
- Press G again to make the indications disappear.

#### Muting the sound

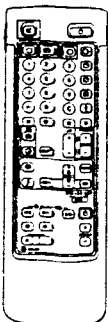
Press M to mute speakers and headphones sound. To resume normal sound, press M again.

#### Displaying the time

Press T. This function is available only when teletext is broadcast. To make the time display disappear, press T again.

For details of the teletext operation, refer to page 14.

For details of the video input picture, refer to page 22.



### Adjusting the Picture and Sound

Although the picture and sound are adjusted at the factory, you can adjust them to suit your own taste. You can also select dual sound (bilingual) programmes when available or adjust the sound for listening with the headphones.

- 1 Press  $\odot$  (for picture) or  $\odot$  (for sound) on the remote Commander. or  
Press MENU and select "PICTURE" or "SOUND" then press OK. The PICTURE ADJUSTMENT or SOUND ADJUSTMENT menu appears. (See Fig. 15 or Fig. 16.)
- 2 Using  $\Delta$  or  $\nabla$ , select the item you want to adjust and press OK. To move up/down:  
From (I) position, press  $\nabla$  to move down.  
From (I) position, press  $\Delta$  to move up.  
(I) means next page.  
(I) means previous page.
- 3 Adjust the setting with  $\Delta$  or  $\nabla$  and press OK.  
For the effect of each control, see the table below.
- 4 Repeat steps 2 and 3 to adjust other items.
- 5 Press MENU to return to TV picture.

Note: To prevent impressions on the screen from a non-moving pattern, the picture will shift about 5 mm every 2 hours. This is not a malfunction of the TV.

#### Effect of each control

PICTURE ADJUSTMENT		Effect
$\odot$ (contrast)	Less $\leftarrow$ $\rightarrow$ More	
$\odot$ (brightness)	Darken $\leftarrow$ $\rightarrow$ Brighten	
$\odot$ (colour)	Less $\leftarrow$ $\rightarrow$ More	
$\odot$ (hue)	Greenish $\leftarrow$ $\rightarrow$ Reddish	
$\odot$ (sharpness)	Softer $\leftarrow$ $\rightarrow$ Sharper	
RESET		Returns picture to the factory preset levels
SOUND ADJUSTMENT		Effect
I (Treble)	Less $\leftarrow$ $\rightarrow$ More	
II (Bass)	Less $\leftarrow$ $\rightarrow$ More	
B (Balance)	More left $\leftarrow$ $\rightarrow$ More right	
RESET		Returns sound to the factory preset levels.
SPACE SOUND	OFF: Normal ON: Obtain acoustic sound effect	
LOUDNESS	OFF: Normal ON: When listening to low volume sound	
DUAL SOUND*	channel 1 B: channel 2 Stereo mono STEREO $\leftarrow$ MONO	
$\odot$ (Headphones)	Less $\leftarrow$ $\rightarrow$ More	

\*When receiving a NICAM programme  
NICAM stereomonoaural STEREO NICAM  $\rightarrow$  MONO  
NICAM bilingual NICAM A  $\rightarrow$  NICAM B  $\rightarrow$  MONO

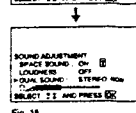
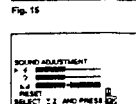


Fig. 16

## PIP (Picture In Picture)

### FEATURES

To switch off the timer  
Select "OFF" in step 3.

To check the  
remaining time  
Press  $\square$ .

### Using the Sleep Timer

- 1 Press MENU to display the main menu.
- 2 Select "FEATURES" with  $\Delta$  or  $\nabla$  and press OK. The FEATURES menu appears.
- 3 Select "SLEEP TIMER" with  $\Delta$  or  $\nabla$  and press OK. (See Fig. 17.) The time period option changes colour.
- 4 Select the time period with  $\Delta$  or  $\nabla$ . The time period changes as follows:  
OFF  $\rightarrow$  0:30  $\rightarrow$  1:00  $\rightarrow$  1:30  $\rightarrow$  2:00
- 5 After selecting the time period, press OK. The cursor moves back to the left margin and the timer starts counting. One minute before the TV switches into standby mode, a message is displayed on the screen.
- 6 Press MENU to return to TV picture.

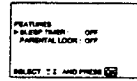


Fig. 17

### FEATURES

If you try to select a  
programme that has  
been blocked,  
the message  
"LOCKED" appears on  
the blank TV screen.

### Parental Lock

- You can prevent undesirable broadcasts from appearing on the screen. We suggest you use this function to prevent children from watching programmes which you consider unsuitable.
- 1 Select the TV programme which you want to block.
  - 2 Press MENU to display the main menu.
  - 3 Select "FEATURES" with  $\Delta$  or  $\nabla$  and press OK. The FEATURES menu appears.
  - 4 Select "PARENTAL LOCK" with  $\Delta$  or  $\nabla$  and press OK.
  - 5 Select "ON" with  $\Delta$  or  $\nabla$  and press OK. (See Fig. 18.)
  - 6 Press MENU to return to TV picture.

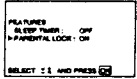
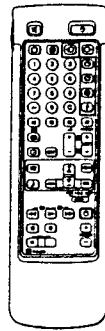


Fig. 18

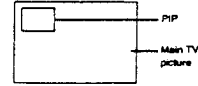
### Cancelling Parental Lock

- 1 On the PARENTAL LOCK menu, select "OFF" with  $\Delta$  or  $\nabla$ .
- 2 Press OK.



Note  
RGB input source  
cannot be displayed in  
PIP.

With this function you can display a "PIP screen" (small picture) within the main TV picture. In this way you can watch or monitor the video output from any connected equipment (for example from a VCR) while watching TV or vice versa. For information about connection of other equipment, refer to page 21.



### Switching PIP on and off

Press  $\square$ .  
The PIP screen will be displayed. The PIP picture will come from the source chosen when the TV was last used.  
To Switch PIP off  
Press  $\square$  again.

### Selecting a PIP source

- 1 Press  $\square$ .  
The symbol  $\square$  will be displayed at the bottom, left-hand corner of the screen.
  - 2 Press  $\square$  repeatedly until the desired PIP source is indicated (e.g. TV, AV1, AV2, YC2, AV3, YC3, AV4, YC4).
- Note  
If no video source has been connected, the PIP picture will be noisy.

### Swapping screens

Press  $\square$ .  
The main screen will switch the picture with the PIP screen.

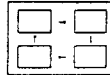


### Notes

- If a TV programme is on the PIP screen and a video source on the main picture, and you want to change channels, first press  $\square$  and then the programme number buttons or PROGRAM.
- Swapping screens takes about 2 seconds after pressing  $\square$ .
- After swapping screens if the colour systems of the main and PIP pictures are different, the PIP picture first appears in black and white and then in colour.

### Changing the position of the PIP

Press  $\square$  repeatedly to change the position of the PIP screen within the main screen. There are four different positions available.



16

17

## Teletext

TV stations broadcast an information service called Teletext via the TV channels. Teletext service allows you to receive various information pages such as weather reports or news at any time you want. For advanced teletext operation, use the buttons on the Full-Function side of the Remote Commander.

### Direct Access Functions

#### Switching Teletext on and off

- 1 Select the TV channel which carries the teletext broadcast you want to watch.
- 2 Press  $\square$  to switch on teletext.  
A teletext page will be displayed (usually the index page). If there is no teletext broadcast, "No text available" is displayed on the information line at the top of the screen.  
To switch teletext off  
Press  $\square$ .

#### Selecting a teletext page

##### With direct page selection

- Use the number buttons to input the three digits of the chosen page number.
- If you have made a mistake, type in any three digits. Then re-enter the correct page number.
- If the requested page is not available at that moment, a message will be displayed.

##### Accessing next or preceding page

- Press  $\square$  (PAGE+) or  $\square$  (PAGE-).
- The next or preceding page appears.

##### Superimposing the teletext display on the TV programme

- Press  $\square$  once in teletext mode or twice in TV mode.
- Press  $\square$  again to resume normal teletext reception.

##### Preventing a teletext page from being updated

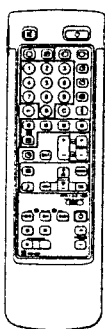
- Press  $\square$  (HOLD). The HOLD symbol "H" is displayed on the information line.
- Press  $\square$  to resume normal teletext reception.

### Using Fastext

With Fastext you can access pages with one key stroke.

When a Fastext page is broadcast, a colour-coded menu will appear at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue buttons on the Remote Commander.

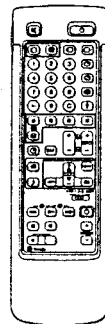
Press the corresponding coloured button on the Remote Commander which corresponds to the colour-coded menu. The page will be displayed after a few seconds.



Note  
Teletext errors may  
occur if the broadcasting  
signals are weak.

With the simple side of  
the Remote  
Commander  
You can switch teletext  
on and off, operate  
Fastext, and directly  
select page numbers.

Note  
Fastext operation is only  
possible if the TV station  
broadcasts  
Fastext signals.



Note  
Some of the features  
may not be available  
depending on the  
teletext service.

### Using the Teletext Menu

This TV is provided with a menu-guided teletext system. When teletext is switched on, you can use the menu buttons to operate the teletext menu. Select the teletext menu functions in the following way:

- 1 Press MENU. The menu will be superimposed on the teletext display. (See Fig. 19.)
- 2 Using  $\Delta$  or  $\nabla$ , select the teletext function you want and press OK.

### INDEX

The index will give you an overview of the contents of the teletext and the page numbers.

### ENLARGING

For convenient reading of a teletext page, you can enlarge the teletext display with the ability to scroll up and down. After having selected the function, an information line TOP/BOTTOM/FULL will be displayed. (See Fig. 20.)

To enlarge the upper half with "TOP", select "TOP" and hold down the  $\nabla$ . To enlarge the lower half with "BOTTOM", select "BOTTOM" and hold down the  $\Delta$ . The picture can be scrolled up to 12 steps in each direction. Press OK for "FULL" to resume the normal size.

Press  $\square$  to resume normal teletext reception.

### TEXT CLEAR

After selecting the function, you can watch a TV programme while waiting for a teletext page to be displayed. (See Fig. 21.)

Press  $\square$  to resume normal teletext reception.

### SUBTITLES

Your teletext service will inform you if a TV programme is subtitles. After having selected the function the subtitles will be displayed.

### REVEAL

Sometimes pages contain concealed information, such as answers to a quiz. The reveal option lets you disclose the information. After having selected the function, concealed information will be displayed.

By choosing REVEAL again on the menu, the concealed information will be cancelled.

Press  $\square$  to resume normal teletext reception.

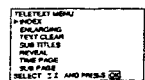


Fig. 19



Fig. 20

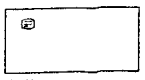


Fig. 21

18

19



## TIME PAGE

Your teletext service will inform you, if a time coded page is available. You may have a page (e.g. an alarm page) displayed at a certain time.

Press OK to select "OFF" for the TIME PAGE setting to cancel the request.

- Using  $\Delta$  or  $\nabla$ , select "ON". Press OK. The TV programme you were watching before you selected TIME PAGE is restored. An information window will be displayed at the bottom of the page.
- To select the desired page, enter three digits for the page number (e.g. 1800) using the number buttons and press OK.
- To select the desired time, enter four digits for the desired time (e.g. 1800) using the number buttons and press OK. The selected time is displayed at the top in the left hand corner. At the requested time, the page will be displayed. Press OK to resume normal teletext mode.

## SUBPAGE

You may want to select a particular teletext page from several subpages which are rotated automatically. After having selected the function, an information line will be displayed.

To select the desired subpage, enter four digits using PROG  $\nabla$  or the number buttons (e.g. enter 0002 for the second page of a sequence).

To cancel the request Select SUBPAGE and press OK.

Note: "Time Page" and "Subpage" features may not be available depending on the teletext service.

# Connecting and Operating Optional Equipment

## Connecting Optional Equipment

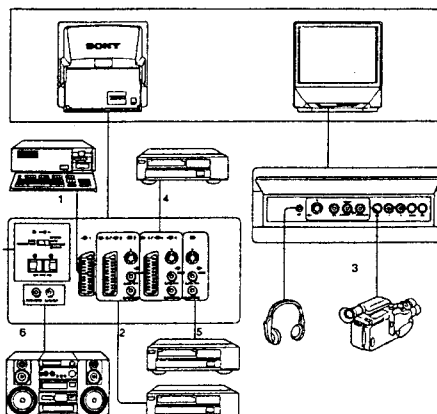
You can connect optional audio-video equipment to the TV such as a VCR, video disc player, and stereo system.

To connect a VCR using the Y terminal Connect the aerial output of the VCR to the aerial terminal Y of the TV. We recommend that you tune in the video signal to programme number "0". For details see "Reset channels manually" on page 3.

If the picture or the sound is distorted Move the VCR away from the TV.

SV-Video Input (Y/C Input) Video signals may be separated into Y (luminance or brightness) and C (chrominance) signals. Separating the Y and C signals prevents them from interfering with one another, and therefore improves picture quality (especially luminance). This TV is equipped with 3 S-Video input jacks through which these separated signals can be input directly.

When connecting a monaural VCR Connect only the white  $\ominus$  jack to both the TV and VCR.



Acceptable input signal	Available output signal
1 Normal audio/video and RGB signal	Video/audio from TV tuner
2 Normal audio/video and S video signal	Video/audio from selected source
3 Normal audio/video and S video signal	No outputs
4 Normal audio/video and S video signal	Video/audio displayed on TV screen (monitor out)
5 No inputs	SV-Video signal displayed on TV screen (monitor out)
6 No inputs	Audio signal (variable)
7 Centre speaker input. Select to CENTRE when TV set's speakers are used for external amplifier (e.g. Dolby amplifier). For normal operation, switch position is MAIN.	No outputs

## Selecting Input and Output

This section explains how to view the video input picture (of the video source connected to your TV), and how to select the output signal using direct access buttons or the menu system.

### Selecting input

Press  $\odot$  repeatedly to select the input source. The symbol of the selected input source will appear. (See Fig. 22.) To go back to the normal TV picture Press  $\odot$ .

### Input modes

Symbol	Input signal
$\odot$ 1	Audio/video input through the $\odot$ 1 connector
$\odot$ 2	Audio/RGB input through the $\odot$ 1 connector
$\odot$ 2	Audio/video input through the $\odot$ 2/ $\odot$ 2 connector
$\odot$ 2	Audio/S video input through the $\odot$ 2/ $\odot$ 2 or $\odot$ 2 connector (4-pin connector)
$\odot$ 3	Audio/video input through $\odot$ 3 and $\odot$ 3 on the front
$\odot$ 4	Audio/S video input through the $\odot$ 3 (4-pin connector) and $\odot$ 3 connectors
$\odot$ 4	Audio/video input through the $\odot$ 4/ $\odot$ 4 connector
$\odot$ 4	Audio/S video input through the $\odot$ 4/ $\odot$ 4 or $\odot$ 4 connector (4-pin connector)

You can also select the input mode using the  $\odot$  button on the TV.

### Selecting the output

The  $\odot$  2/  $\odot$  2 connector outputs the source input from the other connectors.

Press  $\odot$  repeatedly to select the output.

The symbol of the selected output source appears. (See Fig. 23.)

### Output modes

Symbol	Output signal
$\odot$ 1	Audio/video signal from the $\odot$ 1 connector
$\odot$ 2	Audio/video signal from the $\odot$ 2/ $\odot$ 2 connector
$\odot$ 2	Audio/S video signal from the $\odot$ 2/ $\odot$ 2 or $\odot$ 2 connector (4 pin)
$\odot$ 3	Audio/video signal from the $\odot$ 3, $\odot$ 3 connectors
$\odot$ 3	Audio/S video signal from the $\odot$ 3, $\odot$ 3 connectors
$\odot$ 4	Audio/video signal from the $\odot$ 4/ $\odot$ 4 connector
$\odot$ 4	Audio/S video signal from the $\odot$ 4/ $\odot$ 4 or $\odot$ 4 connector (4 pin)
TV $\odot$	Audio/video signal from the TV aerial terminal

Selecting input with PROG  $\nabla$  or number buttons You can preset video input sources to the programme positions so that you can select them with PROG  $\nabla$  or number buttons. For details, see "Reset channels manually" on page 3.

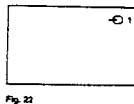
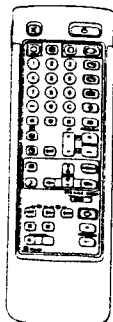
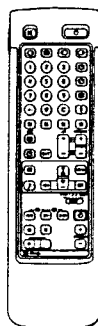


Fig. 22

Fig. 23



When recording when you use the  $\odot$  (record) button, make sure to press the button and the one to the right of it simultaneously.

## Remote Control of Other Sony Equipment

You can use the TV Remote Commander to control most of Sony remote-controlled video equipment such as: beta, 8 mm and VHS VCRs and video disc players.

### Tuning the Remote Commander to the equipment

- Set the VTR 1/2/3 MDP selector according to the equipment you want to control.  
VTR1: Beta VCR  
VTR2: 8 mm VCR  
VTR3: VHS VCR  
MDP: Video disc player
- Use the buttons indicated in the illustration to operate the additional equipment.

If your video equipment is furnished with a COMMAND MODE selector, set this selector to the same position as the VTR 1/2/3 MDP selector on the TV Remote Commander.

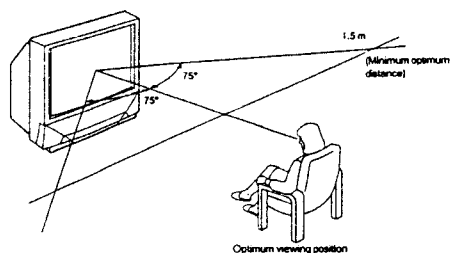
If the equipment does not have a certain function, the corresponding button on the Remote Commander will not operate.

## For Your Information

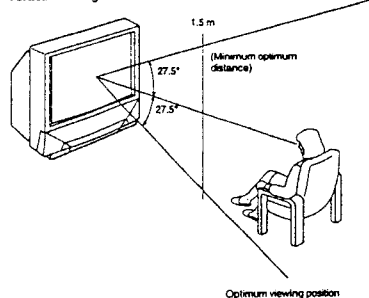
### Optimum Viewing Area

For the best picture quality, try to position the projection TV so that you can view the screen from within the areas shown below.

#### Horizontal viewing area



#### Vertical viewing area



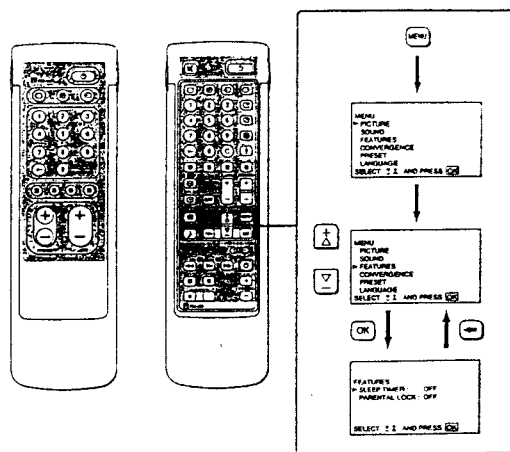
## Troubleshooting

Here are some solutions to some problems which may affect the picture and sound.

Problem	Solution
No picture (screen is dark), no sound	<ul style="list-style-type: none"> <li>Plug in the TV set.</li> <li>Press <b>Q</b> on the TV (if <b>O</b> indicator is on, press <b>Q</b> or a programme number on the Remote Commander).</li> <li>Check the aerial connection.</li> <li>Check if the selected video source is on.</li> <li>Turn the TV off for three or four seconds and then turn it on again using <b>Q</b>.</li> </ul>
Poor or no picture (screen is dark), but sound is OK	<ul style="list-style-type: none"> <li>Press <b>MENU</b> on the Remote Commander or on the front panel of the TV set.</li> </ul>
The menu and picture disappear (if contrast and brightness are minimum)	<ul style="list-style-type: none"> <li>Press <b>J</b> + <b>K</b>.</li> <li>If it is displayed on the screen, press <b>4</b>.</li> <li>Check if the switch at the rear of the TV set is selected in MAIN position.</li> </ul>
Good picture but no sound	<ul style="list-style-type: none"> <li>Press <b>M</b> to enter the PICTURE ADJUSTMENT menu and adjust the brightness, contrast and colour.</li> </ul>
No colour for colour programmes	<ul style="list-style-type: none"> <li>Press <b>M</b> to enter the PICTURE ADJUSTMENT menu, select RESET, then press OK.</li> </ul>
Remote Commander does not function	<ul style="list-style-type: none"> <li>The batteries are weak.</li> </ul>

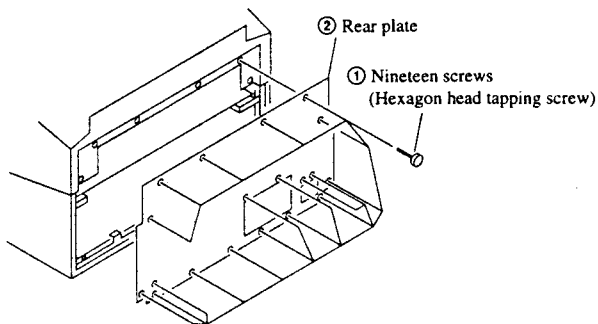
If you continue to have problems, have your TV serviced by qualified personnel. Never open the casing yourself.

TV/teletext-operation Funcionamiento del TV/Teletexto Funcionamento do TV/Teletexto För TV/text-TV-användning TV/teletexta kullanimi	PIP operation Funcionamiento de PIP Funcionamento da função PIP För BIB-användning PIP kullanimi	Menu operation Funcionamiento del menú Funcionamento do menu För meny-användning Menü kullanimi	Video operation Funcionamiento del video Funcionamento do video För videoanvändning Video kullanimi
--	--	---	---

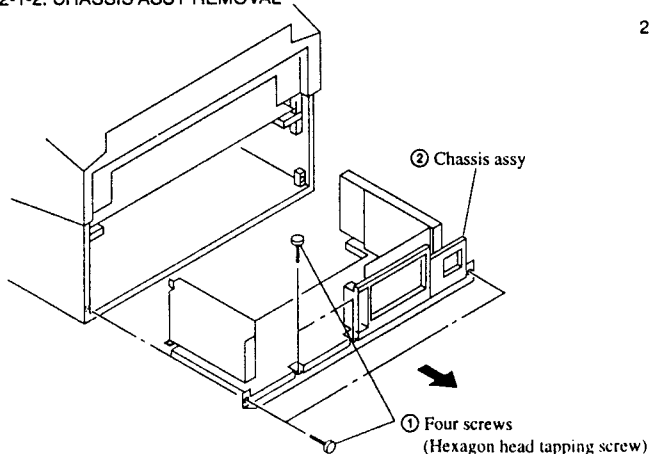


## SECTION 2 DISASSEMBLY

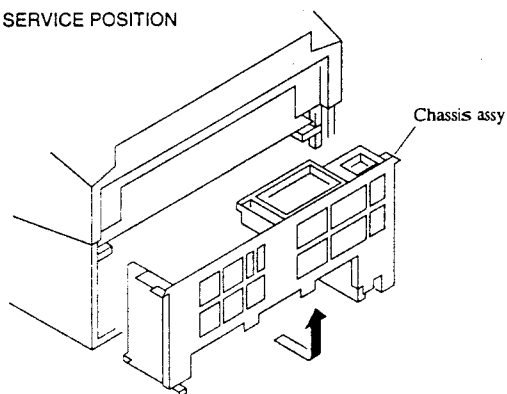
### 2-1-1. REAR PLATE REMOVAL



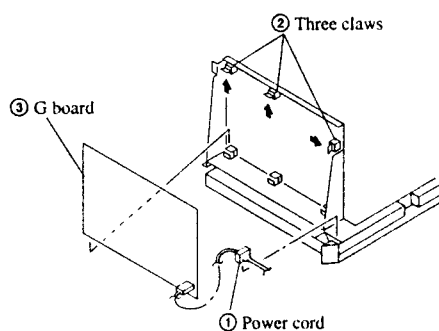
### 2-1-2. CHASSIS ASSY REMOVAL



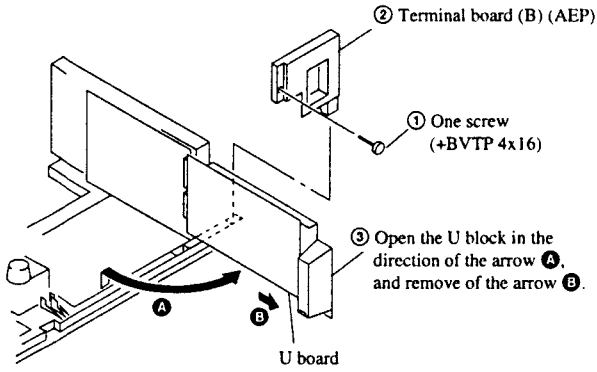
### 2-1-3. SERVICE POSITION



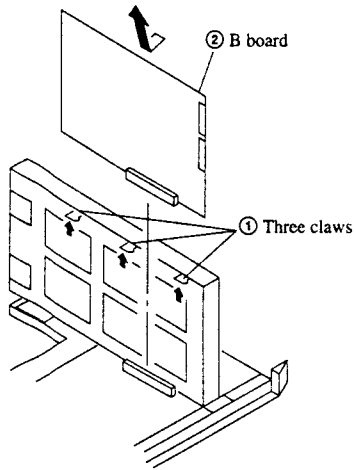
### 2-1-4. G BOARD REMOVAL



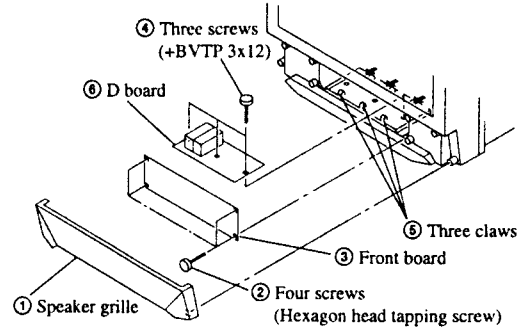
### 2-1-5. U BOARD REMOVAL



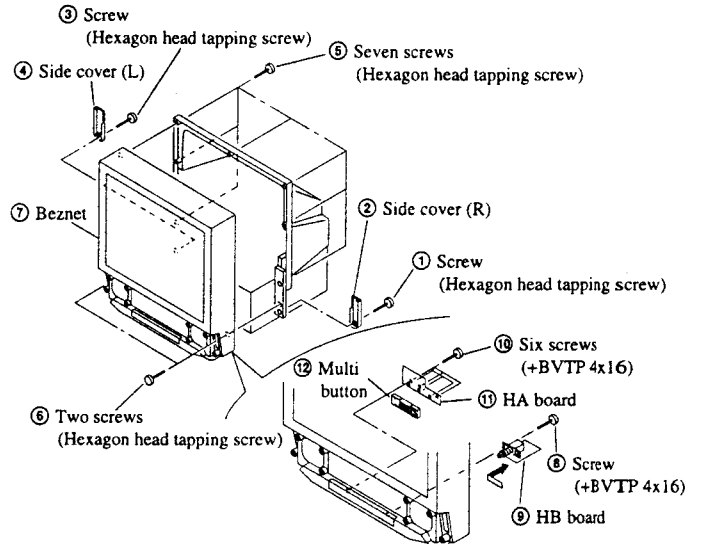
### 2-1-6. B BOARD REMOVAL



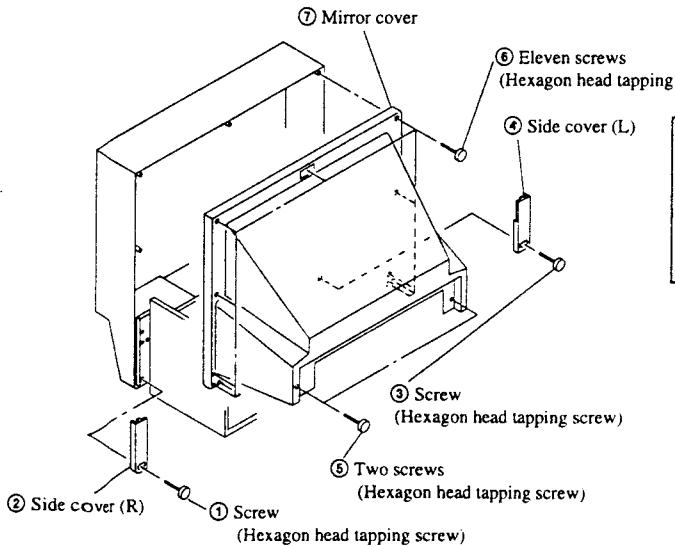
### 2-1-7. D BOARD REMOVAL



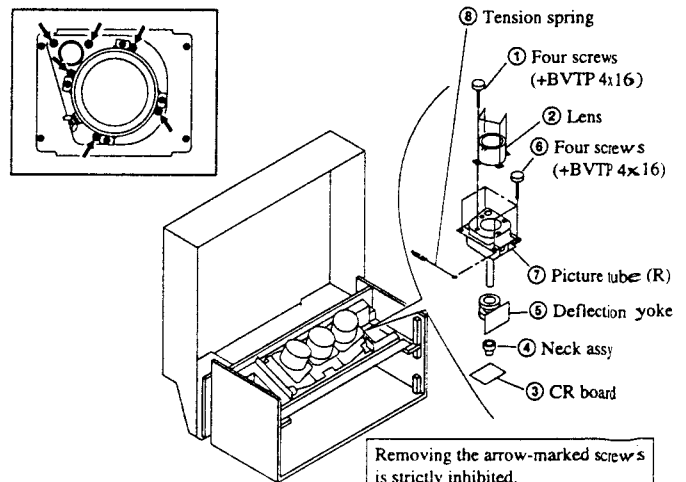
### 2-1-8. BEZNET, HA AND HB BOARDS REMOVAL



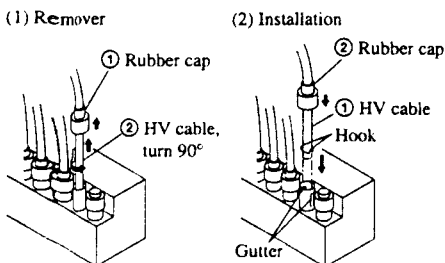
### 2-1-9. MIRROR COVER REMOVAL



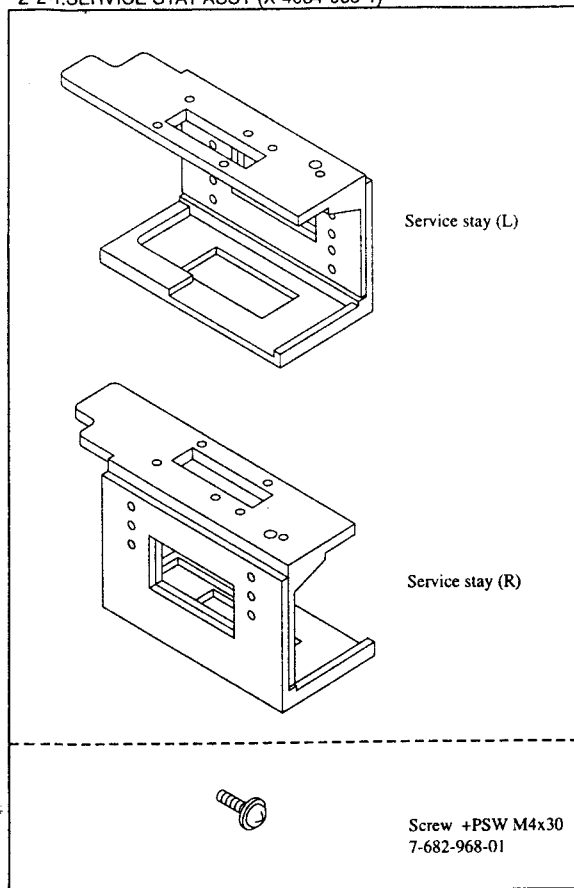
### 2-1-11. PICTURE TUBE REMOVAL



### 2-1-10. HIGH-VOLTAGE CABLE INSTALLATION AND REMOVAL



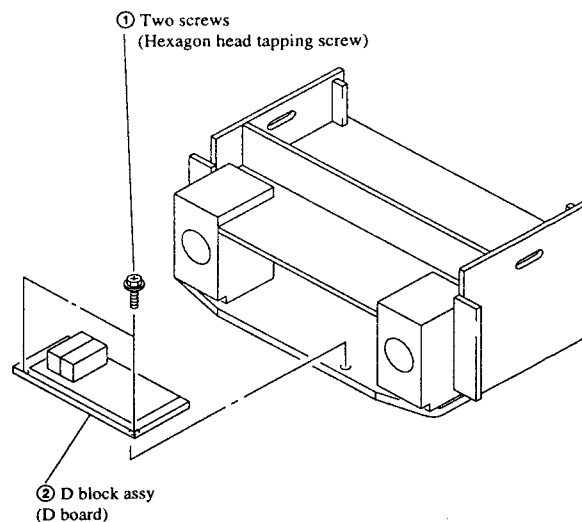
## 2-2-1.SERVICE STAY ASSY (X-4034-033-1)



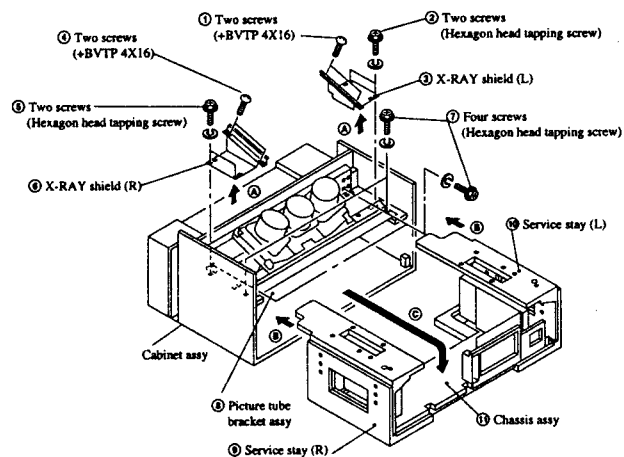
## ● PREPARATION

- 1) Remove the rear plate and chassis assy while referring to the instructions.
- 2) Remove the HA and HB boards while referring to the instructions.
- 3) Remove the mirror cover while referring to the instructions.
- 4) Remove the harnesses from the purse lock.
- 5) Remove the connector from the speaker. (U board : CN2006,2007)

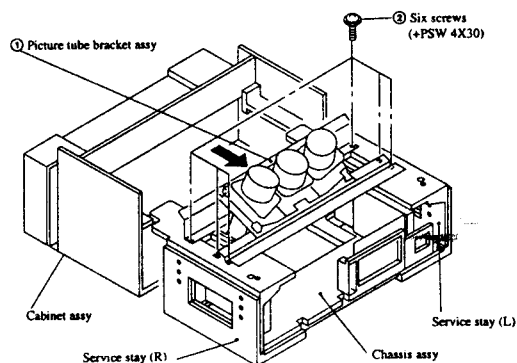
## 2-2-2. D BLOCK ASSY REMOVAL



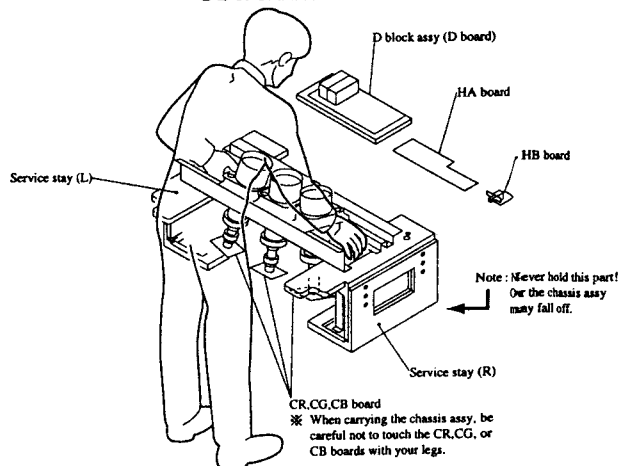
## 2-2-3. PICTURE TUBE BRACKET ASSY REMOVAL AND INSTALL A CHASSIS ASSY



## 2-2-4. INSTALL A PICTURE TUBE BRACKET ASSY

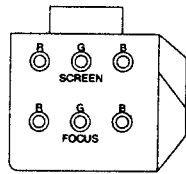
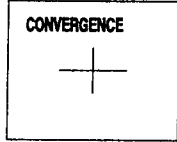
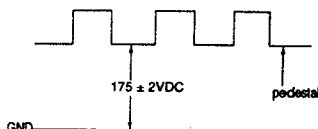


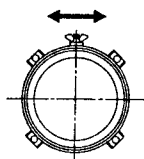
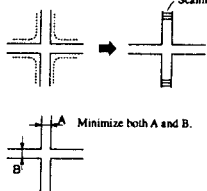
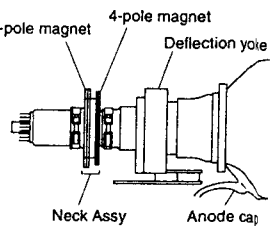
## 2-2-5. CARRY BACK SERVICE STAY ASSY



- ※ Even with 2 servicemen, be sure to put your hands in to the grooves on the top of service stays (L) and (R) to carry the chassis assy.
- ※ To hold the chassis assy, put your hands into the grooves on the top of Service stays (L) and (R).

### SECTION 3 SET-UP ADJUSTMENTS

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<b>SCREEN VOLTAGE ADJUSTMENT (ROUGH ALIGNMENT)</b>  1. Turn the red VR on the FOCUS block all the way to the left and then gradually turn it to the right until the point where you can see the retrace line. 2. Next gradually turn it to the left to the position where the retrace line disappears.  <b>FOCUS LENS ADJUSTMENT</b>  1. Loose the lens screw. 2. Set in service mode. 3. Use VSP on the service mode menu to shown only the green color. 4. Press the Commander Menu button and select FEATURES and CONVERGENCE to display the test signal on the screen. 5. Rotate the green lens and align with the optimal focus point from the test signal. 6. Use RRH from the service mode menu to set to green and red. 7. Output the test signal and rotate the red lens to obtain the optimum focus at the point where the red and green spots overlap. 8. Use RBH from the service mode menu to set to red and blue. 9. Output the test signal and rotate the blue lens to obtain the optimum focus at the point where the blue and red spots overlap. 10. Tighten the lens screw.  <b>SCREEN (G2) ADJUSTMENT</b>  1. Select VIDEO mode without signals. 2. Connect an oscilloscope to the TP701(KR), TP731(KG) and TP761(KB) of CR board, CG board and CB board. 3. Adjust R, G and B screen voltage to 175 ± 2VDC with screen VR on the focusblock.	Monoscope Pattern		PICTURE ..... minimum BRIGHTNESS ..... 50% SCREEN (G2)	 FOCUS block    

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<b>FOCUS VR ADJUSTMENT</b> <ol style="list-style-type: none"> <li>Set in service mode.</li> <li>Use VSP on the service mode menu to shown only the green color.</li> <li>Press the Commander Menu button (convergence) and output the test signal.</li> <li>Rotate the green VR on the FOCUS block and align to obtain the optimal focus point.</li> <li>Use RRH from the service mode menu to set to green and red.</li> <li>Output the test signal and rotate the red VR to obtain the optimum focus at the point where the red and green spots overlap.</li> <li>Use RBH from the service mode menu to set to red and blue.</li> <li>Output the test signal and rotate the blue VR aligning to obtain the optimum focus at the point where the blue and green spots overlap.</li> </ol>				 <p>Lens</p>  <p>Scanning line viable.</p> <p>Minimize both A and B.</p>
<b>DEFLECTION YOKE TILT ADJUSTMENT</b> <ol style="list-style-type: none"> <li>Set in service mode.</li> <li>Set to receive the monoscope signal.</li> <li>Use VSP on the service mode menu to shown only the green color.</li> <li>Loosen the deflection yoke setscrew and align the tilt of the Deflection Yoke so that the bars at the center of the monoscope pattern are horizontal.</li> <li>After aligning the deflection yoke, fasten it securely to the funnel-shaped portion (neck) of the CRT.</li> <li>The tilt of the deflection yoke for red is aligned with RRH on the service mode menu, and the tilt on the deflection yoke for green is aligned with RBH on the service menu, is aligned the same as was done for green.</li> </ol>	Monoscope pattern			 <p>2-pole magnet 4-pole magnet Deflection yoke</p> <p>Neck Assy Anode cap</p>

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<b>2-POLE MAGNET ADJUSTMENT</b> <ol style="list-style-type: none"> <li>1. Set in service mode.</li> <li>2. Set to receive the dot pattern signal.</li> <li>3. Place the caps on the red and blue lens so that only the green color is shown.</li> <li>4. Turn the green VR on the focus block to the right and set to overfocus to enlarge the spot.</li> <li>5. Now align the 2-Pole Magnet so that the enlarged spot is in the center of the Just Focus spot.</li> <li>6. Align the green focus VR and set for just (precise) focus.</li> <li>7. Perform the same alignment for red and blue.</li> </ol>	Dot pattern		2-pole magnet	Use the center dot 
<b>4-POLE MAGNET ADJUSTMENT</b> <ol style="list-style-type: none"> <li>1. Set in service mode.</li> <li>2. Set to receive the dot pattern signal.</li> <li>3. Place the caps on the red and blue lens so that only the green color is shown.</li> <li>4. Turn the green VR on the focus block to the left and set to underfocus to enlarge the spot.</li> <li>5. Now align the 4-Pole Magnet so that the enlarged spot becomes a perfect circle.</li> </ol>	Dot pattern		4-pole magnet	Use the center dot 
<b>DEFOCUS ADJUSTMENT</b> <ol style="list-style-type: none"> <li>1. Receive the crosshatch signal.</li> <li>2. Adjust the FOCUS knob so that the crosshatch pattern vertical line width is as in the figure on the right.</li> </ol>	Crosshatch pattern		FOCUS VR • RED • GREEN • BLUE	• Focus adjustment point 

## ELECTRICAL ADJUSTMENT BY REMOTE COMMANDER

Use of Remote Commander (RM-831) can be performed circuit adjustments about this model.

### NOTE : Test Equipment Required.

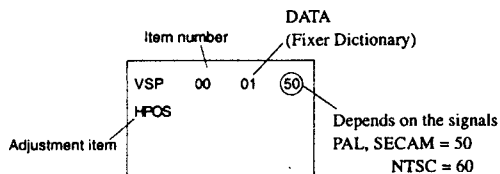
1. Pattern Generator
2. Frequency counter
3. Digital multimeter
4. Audio oscillator

### 1. METHOD OF SETTING THE SERVICE ADJUSTMENT MODE

#### SERVICE MODE PROCEDURE

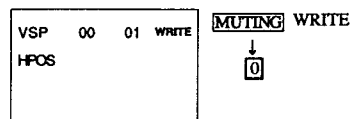
1. Standby mode. (Power off)
2. **DISPLAY** → **5** → **VOL(+)** → **TV POWER** on the Remote Commander.  
( **+** → **5** → **TV** → **POWER** ) (Press each button within a second.)

#### SERVICE ADJUSTMENT MODE IN



3. The CRT displays the item Being adjusted.
4. Press **1** or **4** on the Remote Commander to select the item.
5. Press **2** or **6** on the Remote Commander to change the data.
6. If you want to recover the latest values press **7** then **0** to read the memory.
7. Press **MUTING** then **0** to write into memory.

### SERVICE ADJUSTMENT MODE MEMORY



8. Press **5** then **0** on the Remote Commander to initialize.  
(Be sure not to use usually)
9. Turn set off and on to exit.

### 2. AFTER IC204 (NONVOLA MEMORY) REPLACEMENT

1. Enter to Service Mode.
2. Press **5** and **0** of the commander to initialize data.
3. Adjust standard data to call each item number with **3** and **6** of the commander.  
Write the data per each item number ( **MUTING** + **0** )
4. Select CP2 items menu and respectively set the data with **3** and **6** of the commander.

	Item number	Adjustment item	AEP	UK	K (OIRT)
CP2	03	B/G	1	1	1
	04	I	1	1	1
	05	IRE	1	1	1
	06	DK	1	1	1
	07	AUS	0	0	0
	08	L	1	1	1

Press **MUTING** + **0** of the commander to write the data.

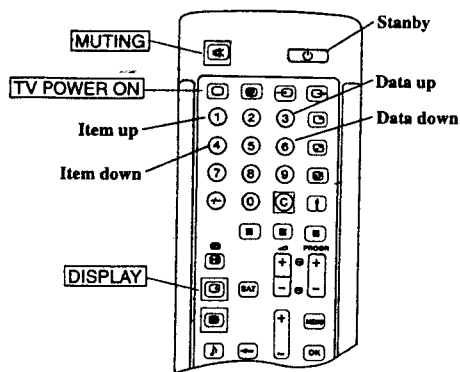
5. Select item CSET of TXT menu and set the data with **3** and **6** of the commander.

TXT	14	CSET	03 : West (AEP) (UK)
			05 : OIRT (UK)

Press **MUTING** + **0** of the commander to write the data.

6. Press **8** and **0** of the commander to make the user control data standard.

### 3. ADJUST BUTTONS AND INDICATOR



RM-831

### 4. SERVICE MODE LIST

#### VSP

	Item number	Adjustment item	Data range	Standard data	Initial data	Note	Device
VSP	00	HPOS	0 ~ 63	28	28	H-SHIFT	CXD2018Q
	01	VSIZ	0 ~ 63	15	43	V-SIZE	
	02	VPOS	0 ~ 63	35	15	V-SHIFT	
	03	VSCO	0 ~ 15	7	3	S-CORRECTION	
	04	VLIN	0 ~ 15	8	8	V-LINEARITY	
	05	HSIZ	0 ~ 63	28	23	H-SIZE	
	06	HIPN	0 ~ 63	36	40	PN-AMP	
	07	HKEY	0 ~ 31	15	15	TLT	
	08	UPCP	0 ~ 15	7	3	UPPER CORNER PIN	
	09	LOCP	0 ~ 15	6	8	LOWER CORNER PIN	
	10	HBOW	0 ~ 15	9	8	V-BOW	
	11	HSKE	0 ~ 15	8	8	V-ANGLE	

#### DP

	Item number	Adjustment item	Data range	Standard data	Initial data	Note	Device
R GH	00	CENT	-127 ~ +128	0	0	GREEN. H CENTER	CXPS112B-613S
	01	SKEW	-127 ~ +128	0	0	GREEN. H SKEW	
	02	BOW	-127 ~ +128	-1	0	GREEN. H BOW	
	03	4BOW	-127 ~ +128	0	0	GREEN. H 4th BOW	
	04	SIZE	-127 ~ +128	0	0	GREEN. H SIZE	
	05	LIN	-127 ~ +128	-20	0	GREEN. H LINEARITY	
	06	MSIZ	-127 ~ +128	16	6	GREEN. H MIDDLE SIZE	
	07	MLIN	-127 ~ +128	6	0	GREEN. H MIDDLE LINEARITY	
	08	KEY	-127 ~ +128	0	5	GREEN. H KEY	
	09	SSKW	-127 ~ +128	14	0	GREEN. H SUB SKEW	
	10	MPIN	-127 ~ +128	47	30	GREEN. H MIDDLE PIN	
	11	PIN	-127 ~ +128	2	0	GREEN. H PIN	
	12	SBOW	-127 ~ +128	-16	-40	GREEN. H SUB BOW	
	13	MBOW	-127 ~ +128	4	8	GREEN. H MIDDLE BOW	
	14	4PIN	-127 ~ +128	-3	-5	GREEN. H 4th PIN	
	15	4SBOW	-127 ~ +128	0	-1	GREEN. H 4th SUB BOW	
R GV	00	CENT	-127 ~ +128	-4	0	GREEN. V CENTER	CXPS112B-613S
	01	SKEW	-127 ~ +128	0	0	GREEN. V SKEW	
	02	BOW	-127 ~ +128	16	0	GREEN. V BOW	
	03	SIZE	-127 ~ +128	-6	0	GREEN. V SIZE	
	04	LIN	-127 ~ +128	22	-4	GREEN. V LINEARITY	
	05	MSIZ	-127 ~ +128	-5	0	GREEN. V MIDDLE SIZE	
	06	MKEY	-127 ~ +128	-5	-7	GREEN. V MIDDLE KEY	
	07	KEY	-127 ~ +128	-18	-7	GREEN. V KEY	
	08	SSKW	-127 ~ +128	1	3	GREEN. V SUB SKEW	
	09	MPIN	-127 ~ +128	-4	-5	GREEN. V MIDDLE PIN	
	10	PIN	-127 ~ +128	42	16	GREEN. V PIN	
	11	SBOW	-127 ~ +128	8	22	GREEN. V SUB BOW	
	12	WAVW	-127 ~ +128	-1	-6	GREEN. V WAVE	
	13	4PIN	-127 ~ +128	7	14	GREEN. V 4th PIN	
R RH	00	CENT	-127 ~ +128	-4	25	RED. H CENTER	CXPS112B-613S
	01	SKEW	-127 ~ +128	0	0	RED. H SKEW	
	02	BOW	-127 ~ +128	6	0	RED. H BOW	
	03	4BOW	-127 ~ +128	-1	0	RED. H 4th BOW	
	04	SIZE	-127 ~ +128	-2	27	RED. H SIZE	
	05	LIN	-127 ~ +128	16	23	RED. H LINEARITY	
	06	MSIZ	-127 ~ +128	12	0	RED. H MIDDLE SIZE	
	07	MLIN	-127 ~ +128	-9	-15	RED. H MIDDLE LINEARITY	
	08	KEY	-127 ~ +128	-8	1	RED. H KEY	
	09	SSKW	-127 ~ +128	4	5	RED. H SUB SKEW	
	10	MPIN	-127 ~ +128	54	56	RED. H MIDDLE PIN	
	11	PIN	-127 ~ +128	-1	32	RED. H PIN	

	Item number	Adjustment item	Data range	Standard data	Initial data	Note	Device
R RH	12	SBOW	-127 ~ +128	7	30	RED. H SUB BOW	
	13	MBOW	-127 ~ +128	21	2	RED. H MID BOW	
	14	4PIN	-127 ~ +128	0	-3	RED. H 4th PIN	
	15	4SBOW	-127 ~ +128	0	-2	RED. H 4th SUB BOW	
R RV	00	CENT	-127 ~ +128	-43	0	RED. V CENTER	CXPS112B-613S
	01	SKEW	-127 ~ +128	0	0	RED. V SKEW	
	02	BOW	-127 ~ +128	17	0	RED. V BOW	
	03	SIZE	-127 ~ +128	0	11	RED. V SIZE	
	04	LIN	-127 ~ +128	24	3	RED. V LINEARITY	
	05	MSIZ	-127 ~ +128	-5	-1	RED. V MIDDLE SIZE	
	06	MKEY	-127 ~ +128	5	7	RED. V MIDDLE KEY	
	07	KEY	-127 ~ +128	5	0	RED. V KEY	
	08	SSKW	-127 ~ +128	1	-4	RED. V SUB SKEW	
	09	MPIN	-127 ~ +128	-7	-15	RED. V MIDDLE PIN	
	10	PIN	-127 ~ +128	9	15	RED. V PIN	
	11	SBOW	-127 ~ +128	10	-30	RED. V SUB BOW	
	12	WAVW	-127 ~ +128	29	31	RED. V WAVE	
	13	4PIN	-127 ~ +128	10	5	RED. V 4th PIN	
R BH	00	BSEL	0/1	0	0	RESISTRATION μ CON BSEL	CXPS112B-613S
	01	CENT	-127 ~ +128	-8	-22	BLUE. H CENTER	
	02	SKEW	-127 ~ +128	0	0	BLUE. H SKEW	
	03	BOW	-127 ~ +128	-1	0	BLUE. H BOW	
	04	4BOW	-127 ~ +128	-3	0	BLUE. H 4th BOW	
	05	SIZE	-127 ~ +128	-21	-24	BLUE. H SIZE	
	06	LIN	-127 ~ +128	-64	-30	BLUE. H LINEARITY	
	07	MSIZ	-127 ~ +128	22	2	BLUE. H MID SIZE	
	08	MLIN	-127 ~ +128	55	30	BLUE. H MID LINEARITY	
	09	KEY	-127 ~ +128	-8	3	BLUE. H KEYSTONE	
	10	SSKW	-127 ~ +128	24	5	BLUE. H SUB SKEW	
	11	MPIN	-127 ~ +128	34	48	BLUE. H MID PIN	
	12	PIN	-127 ~ +128	10	23	BLUE. H PIN	
	13	SBOW	-127 ~ +128	-34	-63	BLUE. H SUB BOW	
	14	MBOW	-127 ~ +128	-12	-6	BLUE. H MID BOW	
	15	4PIN	-127 ~ +128	-1	6	BLUE. H 4th PIN	
	16	4SBOW	-127 ~ +128	5	3	BLUE. H 4th SUB BOW	
R BV	00	CENT	-127 ~ +128	-17	0	BLUE. V CENTER	CXPS112B-613S
	01	SKEW	-127 ~ +128	0	0	BLUE. V SKEW	
	02	BOW	-127 ~ +128	13	0	BLUE. V BOW	
	03	SIZE	-127 ~ +128	-38	-28	BLUE. V SIZE	
	04	LIN	-127 ~ +128	20	5	BLUE. V LINEARITY	
	05	MSIZ	-127 ~ +128	-7	0	BLUE. V MIDDLE SIZE	
	06	MKEY	-127 ~ +128	-21	-24	BLUE. V MIDDLE KEY	

	Item number	Adjustment item	Data range	Standard data	Initial data	Note	Device
R BV	07	KEY	-127 ~ +128	67	40	BLUE. V KEY	CXPS112B-613S
	08	SSKW	-127 ~ +128	4	5	BLUE. V SUB SKEW	
	09	MPIN	-127 ~ +128	-7	7	BLUE. V MIDDLE PIN	
	10	PIN	-127 ~ +128	-29	-40	BLUE. V PIN	
	11	SBOW	-127 ~ +128	10	-23	BLUE. V SUB BOW	
	12	WAVW	-127 ~ +128	-40	-43	BLUE. V WAVE	
	13	4PIN	-127 ~ +128	15	12	BLUE. V 4th PIN	

#### D/A

	Item number	Adjustment item	Data range	Standard data	Initial data	Note	Device
D/A	00	BKU	0 ~ 63	63	63	VBLANKING UP	CXA1315P/M
	01	BKD	0 ~ 63	0	0	VBLANKING DOWN	

#### MCD

	Item number	Adjustment item	Data range	Standard data	Initial data	Note	Device
MCD	00	MHUE	0 ~ 31	17	15	SUB HUE OF MAIN PICTURE	TDA9141 TDA9143
	01	YDLY	0 ~ 15	1	1	Y DELAY	

#### SCD

	Item number	Adjustment item	Data range	Standard data	Initial data	Note	Device
SCD	00	SHUE	0 ~ 31	13	15	SUB HUE OF SUB PICTURE	TDA9160

#### RGB

	Item number	Adjustment item	Data range	Standard data	Initial data	Note	Device
RGB	00	SCOL	0 ~ 15	11	4	SUB COLOR	TDA4780
	01	SBRT	0 ~ 63	27	31	SUB BRIGHTNESS	
	02	RAMP	0 ~ 63	32	31	RED GAIN	
	03	GAMP	0 ~ 63	36	31	GREEN GAIN	
	04	BAMP	0 ~ 63	15	31	BLUE GAIN	
	05	RCUT	0 ~ 63	32	31	RED LEVEL REFERENCE	
	06	GCUT	0 ~ 63	42	31	GREEN LEVEL REFERENCE	
	07	BCUT	0 ~ 63	18	31	BLUE LEVEL REFERENCE	
	08	PDL	0 ~ 63	20	31	PEAK DRIVE LIMIT	
	09	GNMA	0 ~ 63	40	0	GAMMA	
	10	ADBL	0/1	0	0	ADAPTIVE BLACK	
	11	RELC	0/1	1	1	RELATIVE TO CUT-OFF	
	12	TCPL	0/1	1	1	TIME CONSTANT PEAK DRIVE LIMITER	

# PIP

Item number	Adjustment item	Data range	Standard data	Initial data	Note	Device
PIP	00	RDV	0-15	8	V READ DELAY	SDA9188-3X
01	RDH	0-63	16	16	H READ DELAY	
02	FRY	0-15	3	3	BRIGHTNESS OF THE BORDER FRAME	
03	9V50	0-7	3	3	MULTI P IN P V 50Hz	
04	9H50	0-7	2	2	MULTI P IN P H 50Hz	
05	9V60	0-7	2	2	MULTI P IN P V 60Hz	
06	9H60	0-7	3	3	MULTI P IN P H 60Hz	
07	SCON	0-15	15	8	CONTRAST D/A CONVERTER	

# IPQ

Item number	Adjustment item	Data range	Standard data	Initial data	Note	Device
IPQ	00	CIN	0/1	0	CINE MODE (ABAB RASTER) OFF/ON	
01	I07	0/1	1	1	MEMORY CONFIGURATION TMSAC I070 SWITCH	
02	LFR	0/1	1	1	LINE FLICKER REDUCTION MODE OFF/ON	
03	HWE	0-15	15	15	HWE I FINE DEALY OFF SET TO DEFAULT	
04	NR	0-3	2	2	NOISE REDUCTION	
05	Y-V	0-255	60	60	Y-VALUE (BRIGHTNESS)	
06	UV-V	0-255	0	0	UV-VALUE (COLOR)	
07	PEAK	0-127	10	10	PEAKING	
08	CTI	0-127	64	64	CTI LEVEL DATA	
09	VWE	0-63	31	31	VWEI DELAY	

# TXT

Item number	Adjustment item	Data range	Standard data	Initial data	Note	Device
TXT	00	TXH	0-255	5	H START POSITION	TPU3040
01	TXV	0-63	44	44	V START POSITION	
02	VSP	0-255	59	59	V STOP POSITION	
03	BSP	0-255	61	61	BLANKING STOP	
04	BST	0-255	53	53	BLANKING START	
05	SF	0-31	1	1	ACQUISITION SOFT SLICER	
06	A7F	0-255	10	10	VALUE OF ADDRESS 007FH	
07	QDT	0-63	13	13	ACQUISITION DATA SLICER	
08	CST	0-255	0	0	CLAMPING START	
09	CSP	0-255	80	80	CLAMPING STOP	
10	LMT	0/1	0	0	LIMIT SLICER ADAPTION SWITCH	
11	GMX	0-255	31	31	GAIN MAX	
12	FMX	0-255	32	31	FILTER MAX	
13	TVER	0-3	3	3	TPU VERSION (TC20=3)	
14	CSET	0-7	3	3	1: EAST, 3: WEST (AEP, UK), 5: RUSSIAN (K)	

# AP

Item number	Adjustment item	Data range	Standard data	Initial data	Note	Device
AP	00	FAW	0-255	8	NICAM FAW THRESHOLD	MSP3410
01	CTM	0-255	8	4	NICAM ERROR BIT THRESHOLD (MONO->NICAM)	
02	CTN	0-255	80	80	NICAM ERROR BIT THRESHOLD (NICAM->MONO)	
03	WGO	0-255	10	10	WEST GERMAN STEREO LOW THRESHOLD	
04	WGS	0-255	21	21	WEST GERMAN STEREO HIGH THRESHOLD	
05	WGT	0-255	80	80	WEST GERMAN STEREO LOW 2 THRESHOLD	
06	WGB	0-255	234	250	WEST GERMAN STEREO HIGH 2 THRESH	
07	ACG	0/1	1	1	AGC AUTO / CONSTANT SWITCH	
08	CDB	0-63	50	30	AGC GAIN VALUE AT CONSTANT MODE	
09	FMP	0-127	26	26	FM MONO PRESCALE	
10	WGP	0-127	26	26	WEST GERMAN STEREO PRESCALE	
11	INIP	0-127	127	127	I NICAM PRESCALE	
12	BNIP	0-127	72	72	B/G NICAM PRESCALE	
13	LNIP	0-127	81	81	L NICAM PRESCALE	
14	CRM	0/1	0	0	CARRIER MUTE FUNCTION	
15	ACO	0/1	1	1	AUDIO CLOCK OUT OFF/ON	
16	WAC	0-15	1	1	WEST GERMAN STEREO JUDGE CONSTANT	

# CPU

Item number	Adjustment item	Data range	Standard data	Initial data	Note	Device
CPU	00	OSH	0-63	11	OSD H POSITION	CXP5400
01	ODL	0-256	15	15	POWER ON DELAY	

# CP2

Item number	Adjustment item	Data range	Standard data	Initial data	Note	Device
CP2	00	FTZP	0/1	1	FTZ MUTE PRIORITY	CXP5400
01	RGBP	0/1	1	1	RGB MODE PRIORITY	
02	NICP	0/1	1	1	NICAM PRIORITY	
03	B/G	0/1	1	1	TV SYSTEM B/G OFF/ON	
04	I	0/1	1	1	TV SYSTEM I OFF/ON	
05	IRE	0/1	1	0	TV SYSTEM IRE OFF/ON	
06	DK	0/1	1	1	TV SYSTEM DK OFF/ON	
07	AUS	0/1	0	0	TV SYSTEM AUS OFF/ON	
08	L	0/1	1	1	TV SYSTEM L OFF/ON	
09	MYC 2	0/1	0	0	YC2/AV2 PRIORITY	
10	MYC 4	0/1	0	0	YC4/AV4 PRIORITY	

# IP 2

Item number	Adjustment item	Data range	Standard data	Initial data	Note	Device
IP2	00	BOX	0/1	0	BOX FUNCTION SWITCH	TDA9160
01	SCF	0-3	0	0	SCREEN FADE FUNCTION	
02	SPS	0-3	0	0	SPLIT SCREEN FUNCTION	
03	PHAS	0/1	0	0	PHASE FLAG	
04	AXIS	0/1	1	1	RGB AXIS	
05	HSFT	0-31	10	5	H-SHIFT VALUE	
06	SFTE	0/1	0	0	SHIFT ENABLE	
07	SFTF	0/1	0	0	SHIFT CHECK FACTORY	

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<b>CONVERGENCE ADJUSTMENT</b> ● When replacing the deflection yoke, always perform "DEFLECTION YOKE TILT ADJUSTMENT" before adjusting the convergence.  <b>Adjustment procedure</b> <div style="text-align: center;"> <pre> graph TD     A[VSP MAIN] --&gt; B[R GH (SUB), R GV (SUB)]     B --&gt; C[R RH (SUB), R RV (SUB)]     C --&gt; D[R BH (SUB), R BV (SUB)]           </pre> </div> <ul style="list-style-type: none"> <li>• <b>GREEN REGISTRATION ADJUSTMENT</b></li> <li>• V-SHIFT adjustment</li> <li>• V-LINEARITY adjustment</li> <li>• V-SIZE, V-CORRECTION adjustment While tracking, adjust so that the lattice intervals for VSIZ and VSCO are equal.</li> </ul>	Monoscope pattern or Crosshatch pattern		<VSP MENU> VSP VPOS  VSP VLIN  VSP VSIZ VSP VSCO	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center;"> </div> <div style="display: flex; align-items: center;"> </div> <div style="display: flex; align-items: center;"> </div> <div style="display: flex; align-items: center;"> </div> </div>

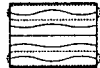

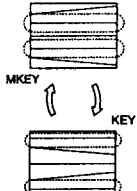
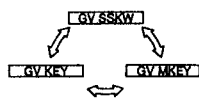


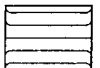
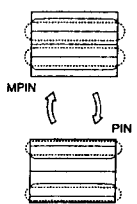
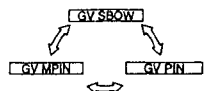
ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<p><b>GREEN HORIZONTAL SIZE ADJUSTMENT</b></p> <ol style="list-style-type: none"><li>1. Adjust with RGH MSIZE so that the sizes of both edges and of both sides of the center section of the screen are equal.</li><li>2. Adjust with RGH SIZE so that the horizontal sizes of both edges and of both sides of the center section of the screen are equal.</li><li>3. While tracking, adjust with RGH MSIZ and RGH SIZE so that the lattice intervals for the horizontal line section of the center section of the screen are equal and so that the horizontal size is the prescribed value.</li><li>4. If M LIN is changed when the RGH MSIZ and RGH SIZE adjustment is complete, adjust again while tracking.</li></ol> <p>●With just the H SIZE adjustment in MAIN, if there is no need to adjust RGH SIZE in SUB this can save power.</p>			<p>&lt;RGH MENU&gt; RGH MSIZ RGH SIZE</p>	
<p><b>GREEN VERTICAL LINEARITY ADJUSTMENT</b></p> <ol style="list-style-type: none"><li>1. Adjust RGV LIN so that the vertical lines at the top and bottom of the screen are symmetrical.</li></ol>			<p>&lt;RGV MENU&gt; RGV LIN</p>	

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<b>GREEN VERTICAL SIZE ADJUSTMENT</b>  1. Adjust with RGV MSIZE so that the sizes for the top and bottom sections of the screen and for both sides of the center section of the screen are equal. 2. Set the vertical size to the prescribed value with RGV SIZE. 3. Adjust RGV MSIZ and RGV SIZE watching the vertical line at the center section of the screen. 4. While tracking, adjust with RGV MSIZ and RGV SIZE so that the lattice intervals for the vertical line section of the center section of the screen are equal and so that the vertical size is the regulation value. 5. If RGV LIN is out of place when the RGV MSIZ and RGV SIZE adjustment is complete, adjust again while tracking. ●If there is no need to adjust RGV SIZE in SUB with just the V SIZE adjustment in MAIN, this can save power.			<RGV MENU> RGV MSIZ  RGV SIZE	
<b>GREEN HORIZONTAL TRAPEZOIDAL DISTORTION ADJUSTMENT</b>  1. Adjust with RGH SSKW so that the tilt of the vertical lines at both edges of the screen is symmetrical left and right. 2. Adjust with RGH KEY so that there is no tilt in the vertical lines at both edges of the screen. 3. If there is a tilt on either the left or right after the RGH KEY adjustment, adjust while tracking.			<RGV MENU> RGH SSKW  RGH KEY	

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<b>GREEN HORIZONTAL QUATERNARY ADJUSTMENT</b> 1. Correct the quaternary distortion with RGH 4PIN. 2. While balancing, correct the quaternary distortion of both end sections of the screen with RGH 4SBOW. 3. While tracking, adjust with RGH 4PIN and RGH 4SBOW.			<RGH MENU>  RGH 4PIN RGH 4SBOW	
<b>GREEN HORIZONTAL ASYMMETRICAL PIN DISTORTION ADJUSTMENT</b> 1. Adjust with RGH MBOW so that the pin asymmetry at both sides of the center section of screen is symmetrical. 2. Adjust with RGH SBOW so that the bow at both end sections of the screen is symmetrical left and right. 3. While tracking, adjust with RGH MBOW and RGH SBOW so that the bow of vertical lines on the entire screen is symmetrical left and right.			<RGH MENU> RGH MBOW RGH SBOW	

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<b>GREEN HORIZONTAL SYMMETRICAL PIN DISTORTION ADJUSTMENT</b> 1. Adjust the pin distortion at both sides of the center section of the screen with RGH MPIN. 2. Adjust the pin distortion at both end sections of the screen with RGH PIN. 3. While tracking, adjust with RGH MPIN and RGH PIN so that the PIN of vertical lines on the entire screen have no bowing. 4. If there is asymmetrical pin distortion after the RGH MPIN and RGH PIN adjustments, adjust with RGH MBOW and RGH SBOW while tracking.			<RGH MENU>  RGH MPIN RGH PIN  RGH MBOW RGH SBOW	
● With just the PIN AMP adjustment in MAIN, if there is no need to adjust RGV PIN in SUB, this can save power.				
<b>GREEN VERTICAL WAVE (TERTIARY DISTORTION) ADJUSTMENT</b> 1. Take the screen top and bottom horizontal lines with RGV WAVE and find the secondary and quaternary waveform.  2. There is KEY distortion after the RGV WAVE adjustment, so adjust with GV WAVE and RGV KEY while tracking.			<RGV MENU>  RGV WAVE  RGV KEY	

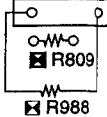



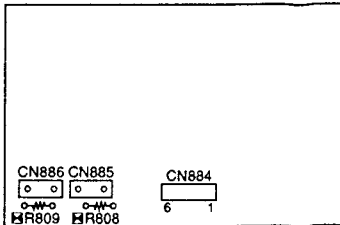
ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<b>GREEN VERTICAL QUATERNARY DISTORTION ADJUSTMENT</b> 1. Correct the quaternary distortion of the horizontal lines at the top and bottom sections of the screen with RGV 4PIN.			<RGV MENU>  RGV 4PIN	RGV 4PIN 
<b>GREEN VERTICAL TRAPEZOIDAL DISTORTION ADJUSTMENT</b> 1. Adjust with RGV SSKW so that the tilt of the horizontal lines at the top and bottom sections of the screen is symmetrical about the center position horizontal line. 2. Adjust with RGV MKEY so that there is no tilt for the line sections at both sides of the horizontal lines at the center section of the stream. 3. Adjust with RGV KEY so that there is no tilt for the horizontal lines at the top and bottom sections of the screen. 4. While tracking, adjust with RGV MKEY and RGV KEY so that there is no tilt for the horizontal lines on the entire screen.  5. If the tilt is unbalanced after the RGV MKEY and RGV KEY adjustment, adjust again with RGV SSKW.			<RGV MENU>  RGV SSKW  RGV MKEY  RGV KEY   RGV SSKW	RGV SSKW   

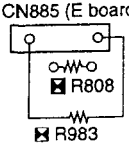


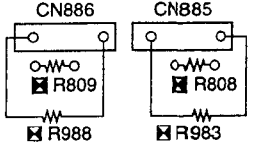
ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<b>GREEN VERTICAL ASYMMETRICAL PIN DISTORTION (SECONDARY DISTORTION) ADJUSTMENT</b> 1. Correct the asymmetrical pin distortion at the top and bottom sections of the screen with RGV SBOW.			<RGV MENU>  RGV SBOW	RGV SBOW 
<b>GREEN VERTICAL ASYMMETRICAL PIN DISTORTION ADJUSTMENT</b> 1. Adjust the pin distortion for both side sections and the center of the screen with RGV MPIN. 2. Adjust with RGV PIN so that the horizontal lines at the top and bottom sections of the screen are straight lines. 3. Adjust with RGV MPIN and RGV PIN so that there is no curve in the horizontal lines on the entire screen.  4. After the adjustments in Items 1-3, adjust the tracking with RGV SBOW, RGV MPIN, and RGV PIN.			<RGV MENU>  RGV MPIN RGV PIN   RGV SBOW	 



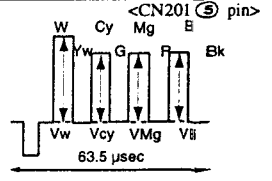
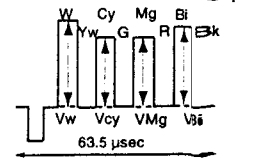
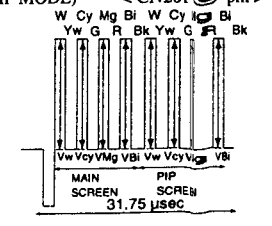
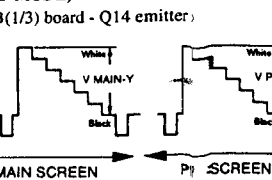
- 40 -

- 41 -

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<p>5. Gradually lower the value of the variable resistor and check that the hold down circuit operates at a Static Voltmeter reading of <math>33.70 \pm 0.80</math> kVDC and that the rasters disappear.</p> <p>6. If the hold down circuit operates and the rasters disappear at a Static Voltmeter reading of 34.0kVDC or higher, remove resistor R809 and mount a <math>16.0 \text{ k}\Omega</math> 1/4W RN at R988.</p> <p>If the hold down circuit operates and the rasters disappear at a Static Voltmeter reading of 32.0 kVDC or lower, remove resistor R809 and mount <math>6.2 \text{ k}\Omega</math> 1/4W RN at R988.</p> <p>7. Check Item 5 again.</p>			<p>R988</p> <p>R988</p>	<p><math>33.70 \pm 0.80</math> kVDC</p> <p>34.0 kVDC or higher <math>16.0 \text{ k}\Omega</math> 1/4W</p> <p>32.0 kVDC or lower <math>6.2 \text{ k}\Omega</math> 1/4W</p> 
<p><b>HV REGULATION CIRCUIT CHECK AND ADJUSTMENT</b> <b>(R RESISTOR)</b></p> <p>When replacing the parts marked  on the right, check the HV regulation and adjust.</p>		<p> marked parts C918, C930, C934, C980, D902, D920, D925, Q909, R808, R851, R929, R936, R939, R942, R944, R945, R946, R947, R950, R960, R965, R967, R971, R975, R976, R982, R983, R985, R998 ..... E Board HV Block HV Block</p>	<p> R808, R983</p>	<p>E BOARD - COMPONENT SIDE -</p> 
<p>1. Remove the cap for the unconnected pin in the high-voltage block and connect a Static Voltmeter.</p> <p>2. Input 240 VAC power.</p> <p>3. Receive the Dot signal and set the PICTURE and BRIGHTNESS settings to their minimums.</p>	<p>Static Voltmeter</p> <p>Dot pattern</p>		<p>PICTURE ..... minimum BRIGHTNESS ..... minimum</p>	

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
4. Check that the Static Voltmeter reading is $31.0 \pm 0.5$ kVDC. 5. If the Static Voltmeter reading is 30.4 kVDC or lower, remove resistor R808 and mount $5.6 \text{ k}\Omega$ 1/4W RN at R983. 6. If the Static Voltmeter reading is 31.5 kVDC or higher, remove resistor R808 and mount $8.2 \text{ k}\Omega$ 1/4W RN at R983. 7. If the Static Voltmeter reading is 32.0 kVDC or higher, remove resistor R808 and mount $10.0 \text{ k}\Omega$ 1/4W RN at R983. 8. If any of Items 5, 6 or 7 has been implemented, check Item 4 again.			R983  R983  R983	$31.0 \pm 0.5$ kVDC 30.4 kVDC or lower $5.6 \text{ k}\Omega$ 1/4W 31.5 kVDC or higher $8.2 \text{ k}\Omega$ 1/4W 32.0 kVDC or higher $10.0 \text{ k}\Omega$ 1/4W 
<b>HV HOLD DOWN AND HV REGULATOR SIMPLE ADJUSTMENT</b>  It is normally desirable that the HV hold down and HV regulation checks use a Static-voltmeter. However, sometime one is not available, for example in the field, below is a simple adjustment method.  When replacing parts with the  mark, replace both the resistors with the  mark R808 (R988) and R809 (R983) with resistors one rank lower in the E-12 series. Do not replace just one of these resistors. Always replace both with resistors one rank lower.			R808 (R988) R809 (R983)	

## SECTION 5 ELECTRICAL ADJUSTMENTS

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<b>B BOARD ADJUSTMENT</b> <b>SUB COLOR (SCOL) ADJUSTMENT</b> <ol style="list-style-type: none"> <li>Input the PAL Color Bar signal and adjustment the picture control.</li> <li>Set to service mode.</li> <li>Connect an oscilloscope between ⑤ pin of CN201 and ground.</li> <li>Adjust SCOL so that <math>V_{cy} = V_{Mg} = V_{Bi}</math> in the waveform levels.</li> <li>Write the data to memory.</li> </ol>	PAL Color Bar pattern  Oscilloscope	CN201 ⑤ pin (B(2/3) Board)	PICTURE .... 80% RGB SCOL : $V_{cy} = V_{Mg} = V_{Bi}$	
<b>SUB HUE (MHUE,SHUE) ADJUSTMENT</b> <ol style="list-style-type: none"> <li>Input the NTSC Color Bar signal.</li> <li>Set to service mode.</li> <li>Connect an oscilloscope between ⑤ pin of CN201 and ground.</li> <li>Adjust MHUE so that <math>V_{cy} = V_{Mg}</math> in the waveform levels.</li> <li>Write the data to memory.</li> </ol>	NTSC Color Bar pattern  Oscilloscope	CN201 ⑤ pin (B(2/3) Board)	MCD MHUE : $V_{cy} = V_{Mg}$	
<b>(PIP MODE)</b> <ol style="list-style-type: none"> <li>Input the NTSC Color Bar signal.</li> <li>Select PIP on screen mode and put the set into service mode.</li> <li>Connect an oscilloscope between ⑤ pin of CN201 and ground.</li> <li>Adjust SHUE so that <math>V_{cy} = V_{Mg}</math> in the waveform levels.</li> <li>Write the data to memory.</li> </ol>	NTSC Color Bar pattern  Oscilloscope	CN201 ⑤ pin (B(2/3) Board)	SCD SHUE : $V_{cy} = V_{Mg}$	
<b>SUB CONTRAST ADJUSTMENT</b> <ol style="list-style-type: none"> <li>Input the PAL Color Bar signal.</li> <li>Select PIP on screen mode and put the set into service mode.</li> <li>Connect an oscilloscope Q14 emitter on the B(1/3) board and ground.</li> <li>Adjust SCON so that <math>V_{MAIN-Y} = V_{PIP-Y}</math> in the waveform levels.</li> <li>Write the data to memory.</li> </ol>	PAL Color Bar pattern  Oscilloscope	Q14 emitter (B(1/3) Board)	PIP SCON: $V_{MAIN-Y} = V_{PIP-Y}$	

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<b>SUB WHITE BALANCE ADJUSTMENT</b> <b>(PIP MODE)</b> <ol style="list-style-type: none"> <li>1. Input Gray Scale signal 20 IRE.</li> <li>2. Select PIP in screen mode and put the set into service mode.</li> <li>3. Connect an oscilloscope Q15 emitter on the B(1/3) board and ground.</li> <li>4. Adjust RV1 so that <math>V_{main} = V_{pip}</math> in the waveform levels.</li> <li>5. Connect an oscilloscope Q16 emitter on the B(1/3) board and ground.</li> <li>6. Adjust RV2 so that <math>V_{main} = V_{pip}</math> in the waveform levels.</li> </ol>	Oscilloscope	[ B(1/3) Board ] Q15 emitter (R-Y) Q16 emitter (B-Y)	[ B(1/3) Board ] RV1 (R-Y) RV2 (B-Y)	<p>&lt; Q15 emitter, Q16 emitter &gt;</p>
<b>P IN P POSITION ADJUSTMENT</b> <ol style="list-style-type: none"> <li>1. Upon receiving the Monoscope signal.</li> <li>2. Set service mode and then press the PIP command twice. The P in P position will then move periodically to four points. Adjust " RDV " and " RDH " on the new screen so that the four points are distributed equally at ; up, down, left and right.</li> <li>3. Write the data to memory.</li> </ol>	Monoscope pattern		< PIP MENU > RDV RDH	
<b>TEXT POSITION ADJUSTMENT</b> <ol style="list-style-type: none"> <li>1. Receive the RF signal with TEXT.</li> <li>2. Set to service mode.</li> <li>3. Set the TEXT in MIX mode and adjust the screen position with " TXH " and " TXV ".</li> <li>4. Write the data to memory.</li> </ol>			< TXT MENU > TXH (H position) TXV (V position)	
<b>OSD POSITION ADJUSTMENT</b> <ol style="list-style-type: none"> <li>1. Receive the PAL Color Bar signal.</li> <li>2. Set to service mode.</li> <li>3. Adjust " OSH " so that the center line of the signal and the center of the crosshairs of the OSD display match are aligned with each other.</li> <li>4. Write the data to memory.</li> </ol>	PAL Color Bar pattern		< CPU MENU > OSH	

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<b>B2 BOARD ADJUSTMENT (French only)</b> <b>SECAM FILTER ADJUSTMENT</b> <ol style="list-style-type: none"> <li>1. Receive the SECAM Color Bar signal.</li> <li>2. Adjust BELL filter by rotating L3503 so that ⑤ pin IC3502 should be flat/smooth chroma signal.</li> <li>3. Adjust B-Y filter by rotating L3505 so that Q3508 emitter (R-Y out) should get symmetrical transient between (R-Y)&gt;(B-Y) and (B-Y)&gt;(R-Y).</li> </ol>	SECAM Color Bar pattern	IC3502 ⑤ pin Q3508 emitter	L3503 L3505	<p>&lt; IC3502 ⑤ pin waveform &gt;</p> <p>BAD </p> <p>GOOD </p> <p>BAD </p> <p>&lt; Q3508 emitter waveform &gt;</p> <p>BAD </p> <p>GOOD </p> <p>BAD </p>
<b>H. FREQUENCY ADJUSTMENT</b> <ol style="list-style-type: none"> <li>1. Connect a frequency counter to ⑫ pin of IC3501.</li> <li>2. Adjust RV3501 so that the frequency counter is <math>15.625\text{KHz} \pm 50\text{Hz}</math>.</li> <li>3. Input a SECAM Color Bar signal.</li> <li>4. Confirm that ⑫ pin of IC3501 should be <math>15.625\text{KHz} \pm 50\text{Hz}</math>.</li> </ol>	SECAM Color Bar pattern	RV3501	IC3501 ⑫ pin	

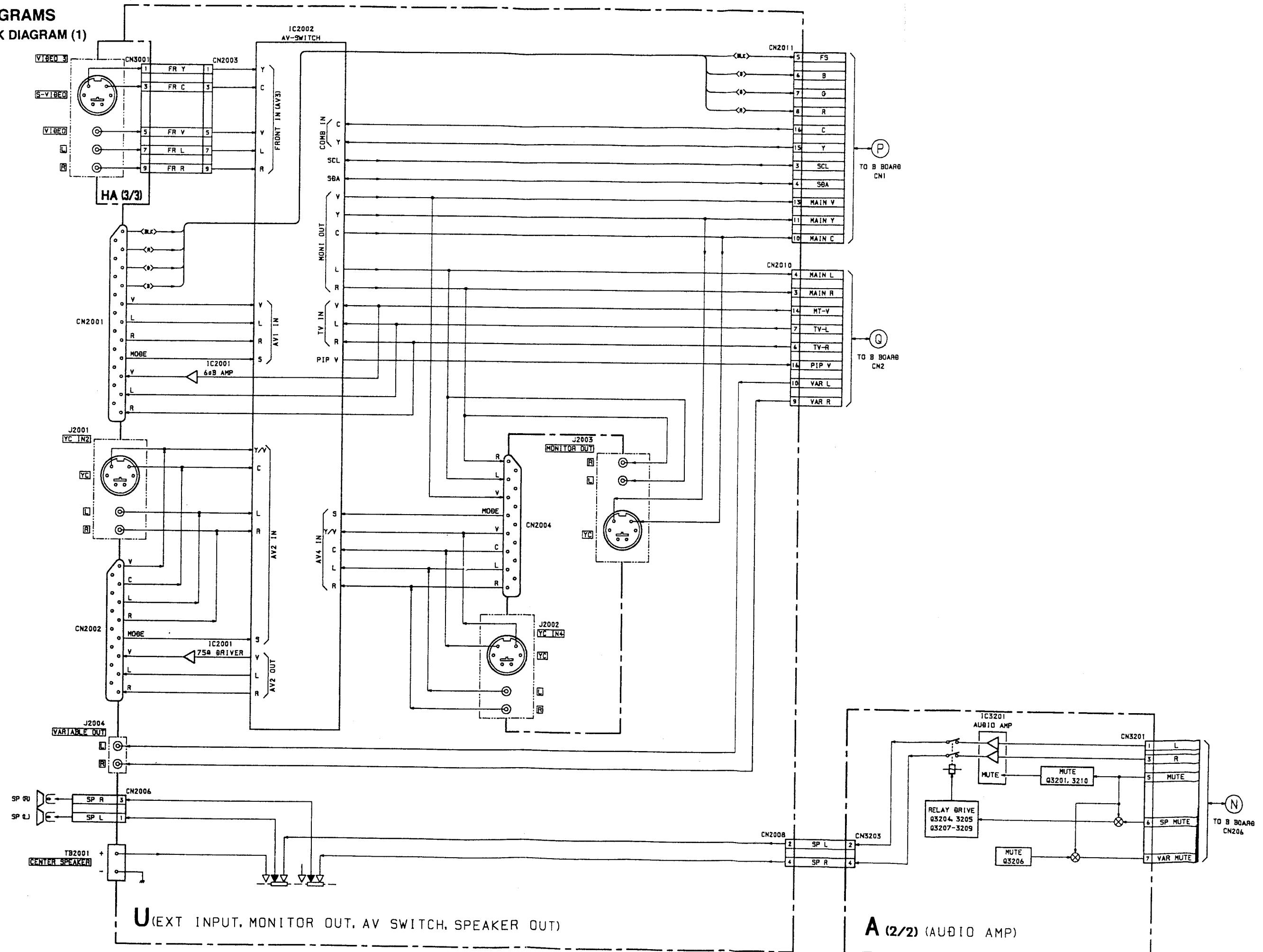
ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<b>A BOARD ADJUSTMENT</b>				
<b>V BLANKING SIZE ADJUSTMENT</b> 1. Receive PAL monoscope signal. 2. Select "BKU" in D/A menu. 3. Reduce the data value by pressing <b>3</b> and <b>6</b> on the commander to adjust blanking size and minimize the shear on the screen top. 4. Select "BKD" in D/A menu. 5. Raise the data value by pressing <b>3</b> and <b>6</b> on the commander to adjust blanking size and minimize the shear on the screen bottom.	PAL Monoscope pattern			
<b>H SIZE ADJUSTMENT</b> 1. Receive a PAL monoscope signal. 2. Set to Service Mode. 3. Select H SIZE of VSP menu with the commander buttons <b>1</b> and <b>4</b> . 4. Adjust to $15.4 \pm 0.2$ square with <b>3</b> and <b>6</b> .	PAL Monoscope pattern			
<b>S CORRECTION ADJUSTMENT</b> 1. Receive a PAL monoscope signal. 2. Set to Service Mode. 3. Select VSCO of VSP menu with the commander buttons <b>1</b> and <b>4</b> . 4. Adjust to data "00" with <b>3</b> and <b>6</b> .	PAL Monoscope pattern			
<b>V SIZE ADJUSTMENT</b> 1. Receive a PAL monoscope signal. 2. Set to Service Mode. 3. Select V SIZE of VSP menu with the commander buttons <b>1</b> and <b>4</b> . 4. Adjust to $11.6 \pm 0.2$ square with <b>3</b> and <b>6</b> .	PAL Monoscope pattern			



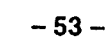
# SECTION 6

## DIAGRAMS

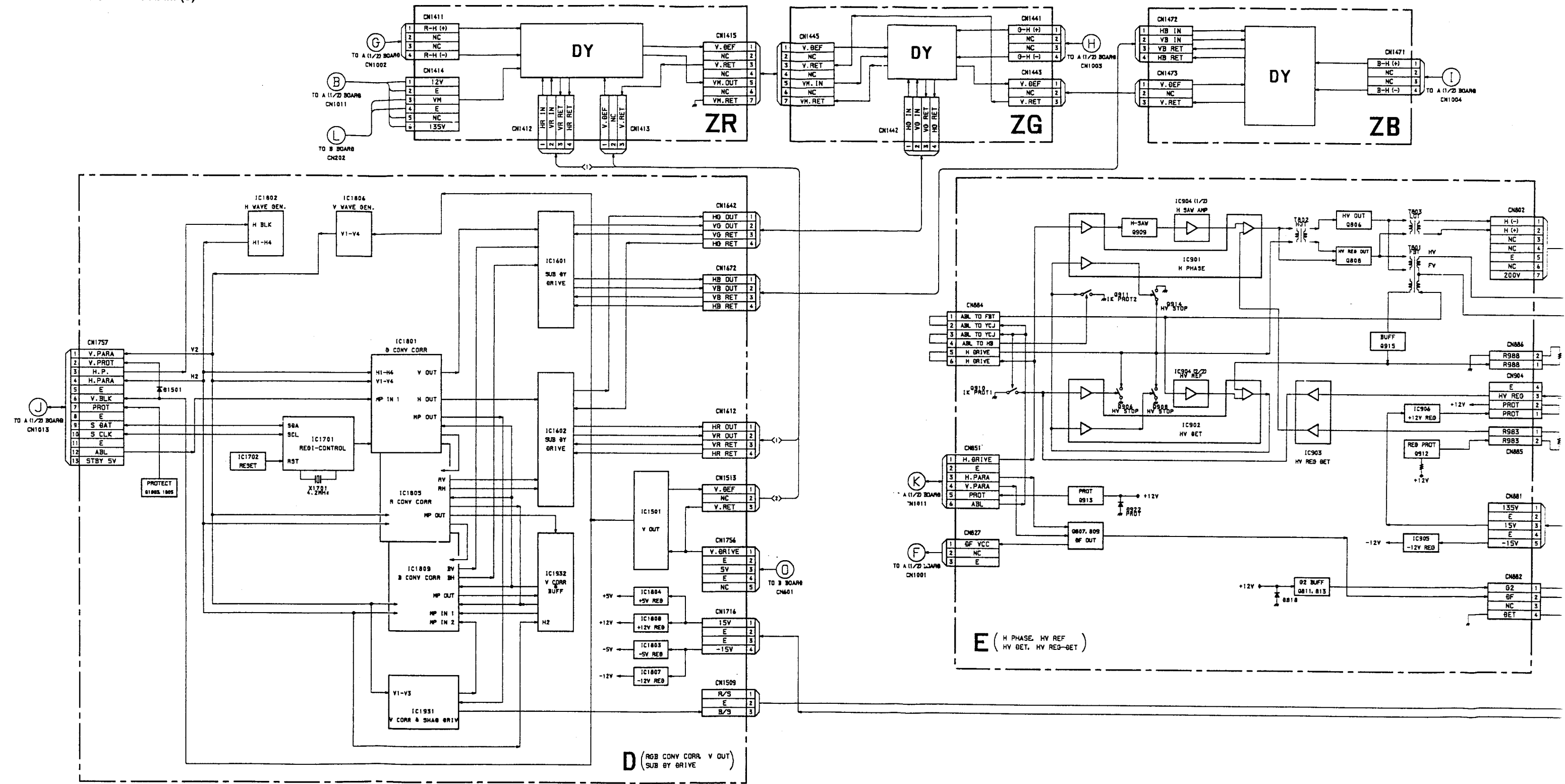
6-1. BLOCK DIAGRAM (1)

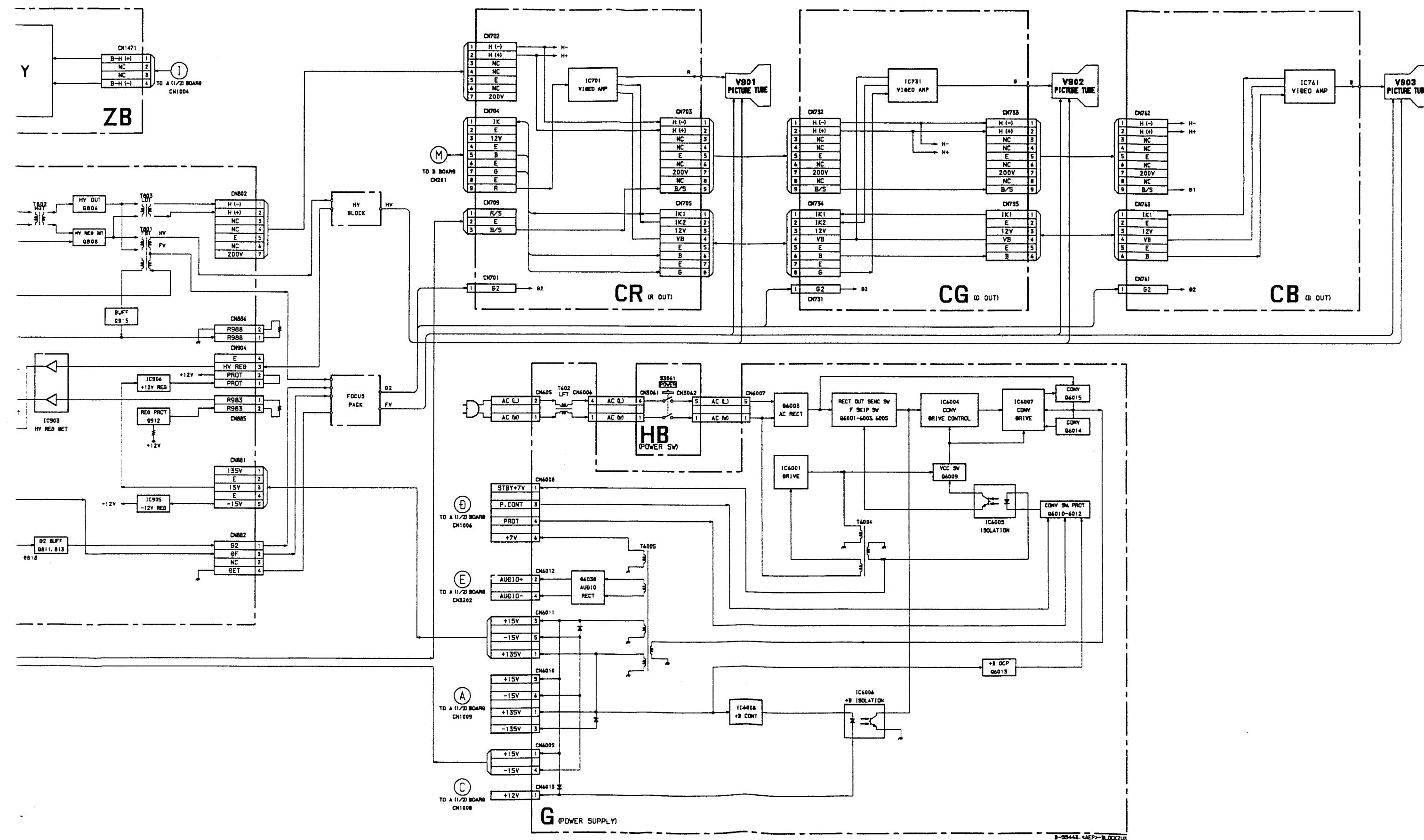






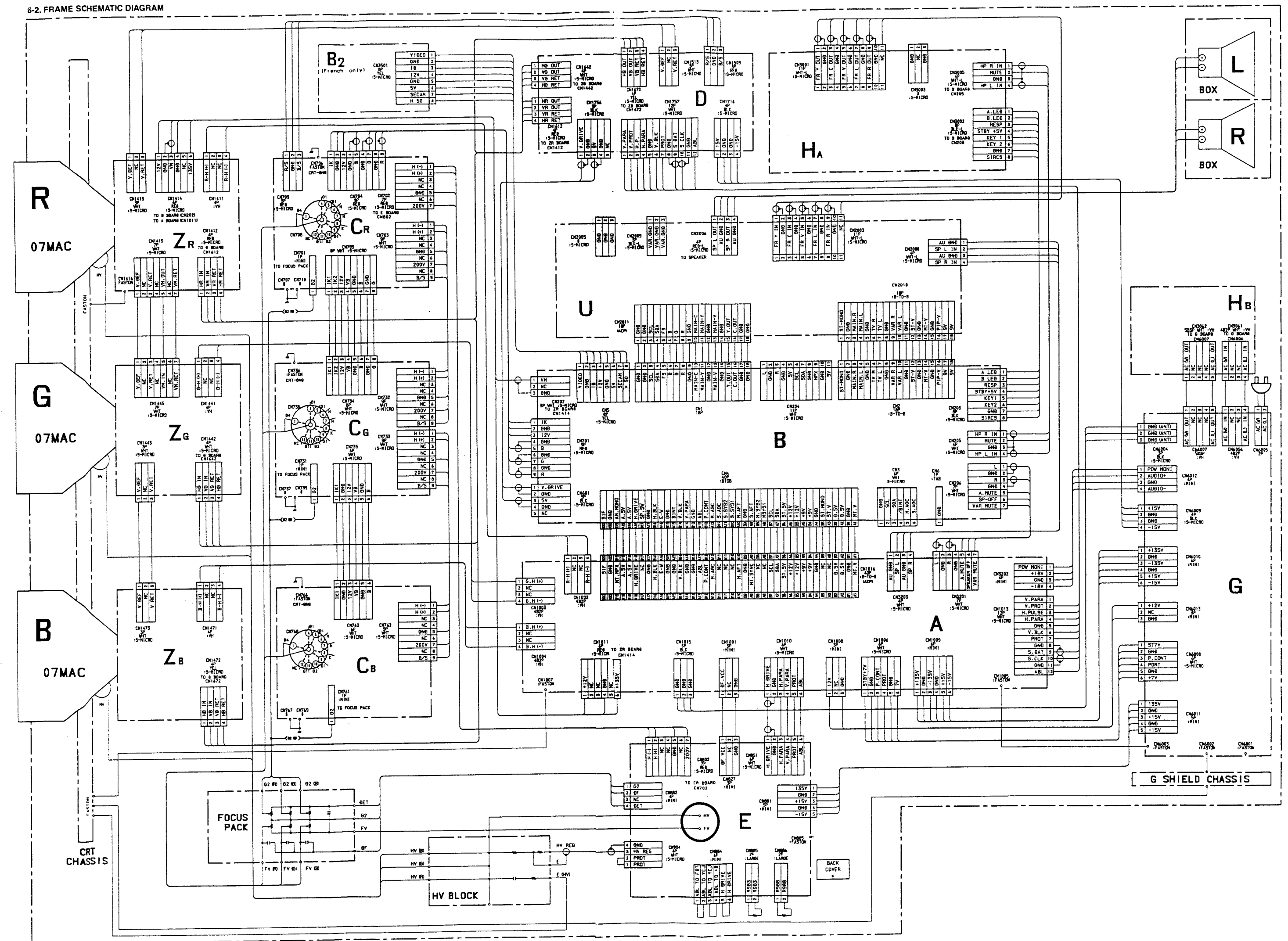
BLOCK DIAGRAM (3)



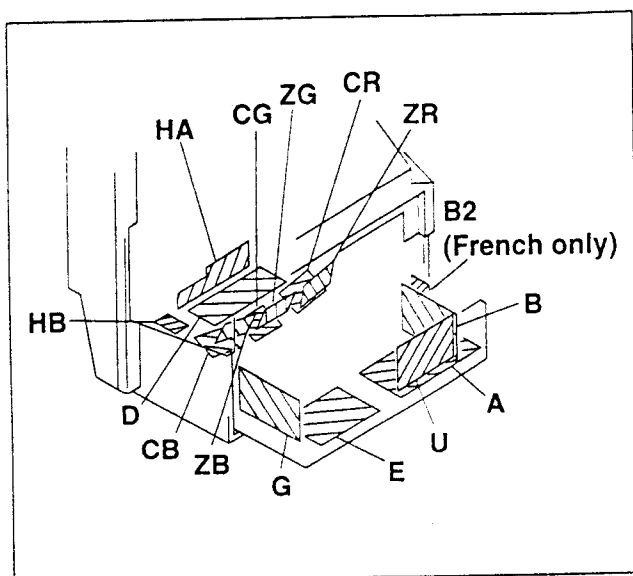


9-25443-CAEP-BLOCK205

6-2. FRAME SCHEMATIC DIAGRAM



### 6-3. CIRCUIT BOARDS LOCATION



### 6-4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note:

- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$  :  $\mu\text{F}$  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms.  
 $\text{k}\Omega=1000\Omega$ ,  $\text{M}\Omega=1000\text{k}\Omega$
- Indication of resistance, which dose not have one for rating electrical power, is as follows.

Pitch : 5mm  
Rating electrical power :  $\frac{1}{4}\text{W}$  (CHIP :  $\frac{1}{10}\text{W}$ )

- : nonflammable resistor.
- : fusible resistor.
- $\Delta$  : internal component.
- : panel designation and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- : earth-chassis.
- The components identified by in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation.  
Should replacement be required, replace only with the value originally used.
- When replacing components identified by , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by and repeat the adjustment until the specified value is achieved.  
(Refer to R808,R809,R983 and R988 adjustment on Page 40 - 42.)
- When replacing the part in below table, be sure to perform the related adjustment.

Part replaced (  )	Adjustment (  )
HVBlock C818, D804, D806, D809, D909, D912, Q915, R809, R855, R856, R857, R858, R883, R954, R955, R984, R988, R991, R995, R996, T801(FBT), T803 .....E BOARD	HV HOLD-DOWN (R809, R988)
HV Block, C918, C930, C934, C980, D902, D920, D925, Q909, R808, R851, R929, R936, R939, R942, R944, R945, R946, R947, R950, R960, R965, R967, R971, R975, R976, R982, R983, R985, R998 .....E BOARD	HV Regulator (R808, R983)

- As to the voltage value shown by the semiconductors on the Schematic Diagram, see the another list
- Readings are taken with a color-bar signal input.
- Readings are taken with a 10M $\Omega$  digital multimeter.
- Voltages are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in  $\text{V}$ .  
: Measurement impossibility.
- : B+line.
- : B-line.
- (Actual measured value may be different).
- : signal path.
- Circled numbers are waveform references.

Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: $\otimes$	ADJUSTMENT RESISTOR
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

Note: The symbol display is on the component side.

The components identified by shading and mark are critical for safety. Replace only with part number specified.

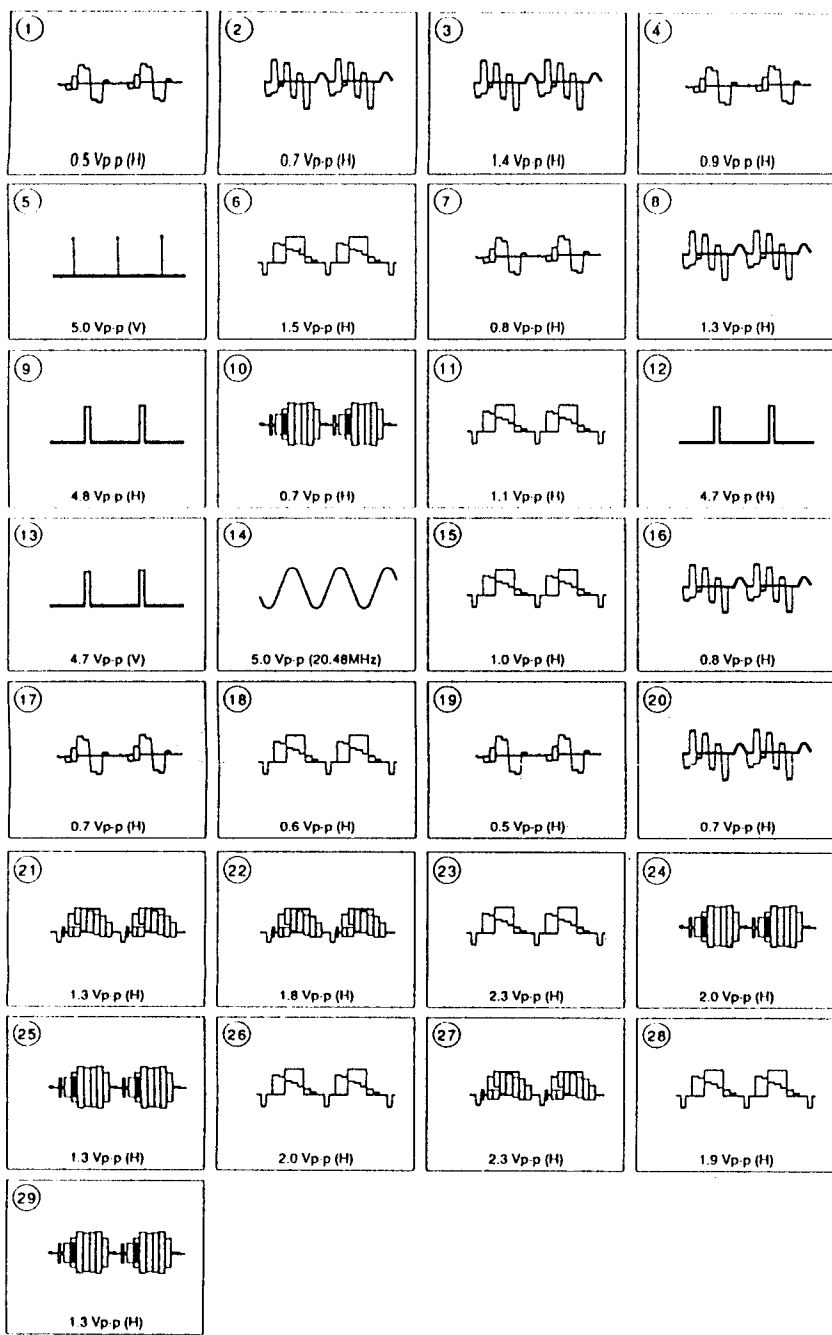
The symbol indicate fast operating fuse.  
Replace only with fuse of same rating as maked.

Note: The symbol display is on the component side.

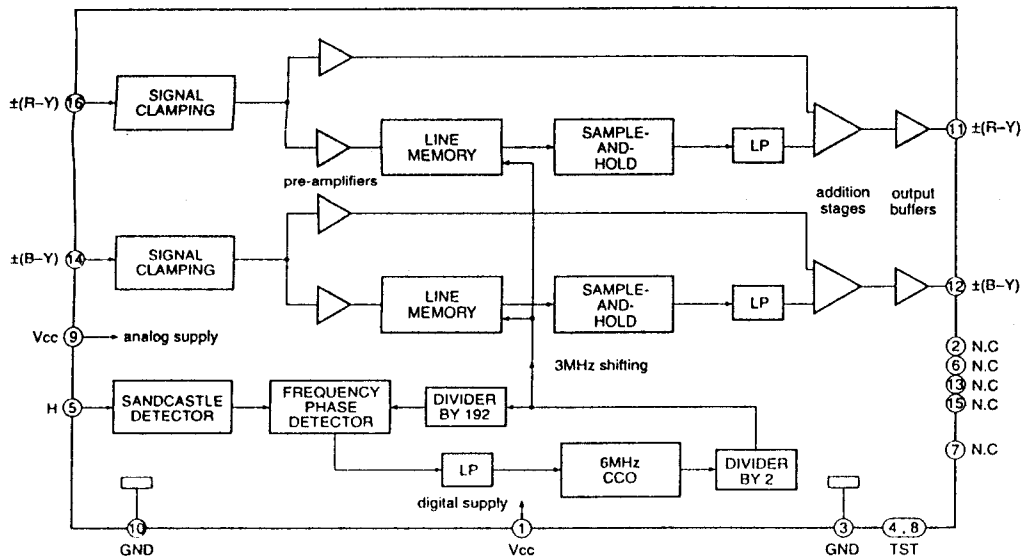
The components identified by shading and mark are critical for safety. Replace only with part number specified.

The symbol indicate fast operating fuse.  
Replace only with fuse of same rating as maked.

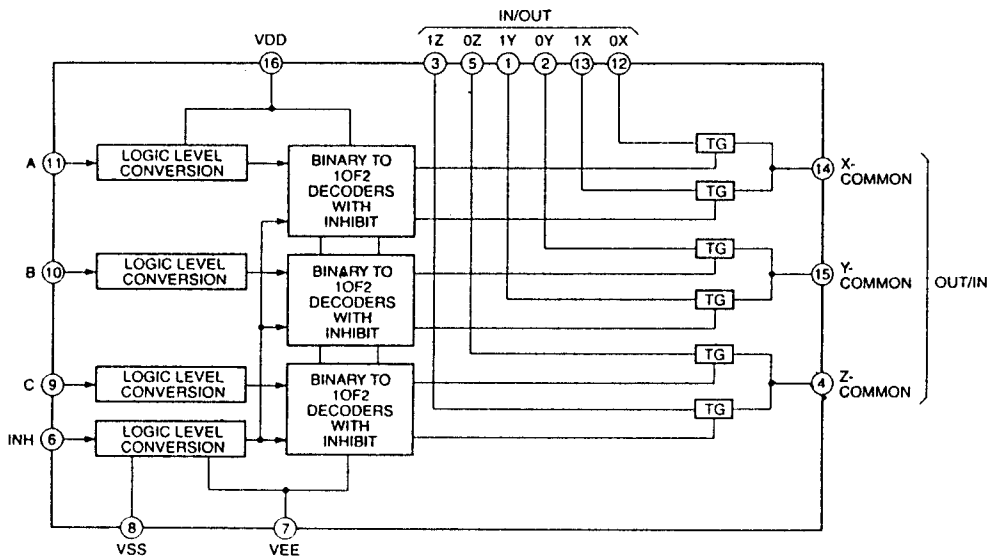
# B (1/3) BOARD WAVEFORMS



## B (1/3) BOARD : IC5, 10 TDA4665T



## B (1/3) BOARD : IC9 MC14053BF-T2



## B(1/3) BOARD IC VOLTAGE LIST

IC1	1	GND		10	0.8		7	2.0
	2	GND		11	0		8	0.9
	3	GND		12	3.5		9	1.0
	4	GND		13	2.8		10	0.9
	5	GND		14	2.8		11	0.9
	6	GND		15	5.0		12	2.8
	7	GND		16	0.6		13	GND
	8	GND		17	0.4		15	4.8
	9	GND		18	0.4		16	GND
	10	GND		19	5.3		17	2.3
	11	2.4		20	5.3		18	GND
	12	GND		21	5.3		19	2.8
	13	4.9		22	3.2		20	1.2
	14	2.4		23	4.5		21	2.8
	15	2.4		24	4.4		22	2.0
	16	2.4		25	0.1		23	2.6
	17	4.9		26	4.1		24	5.2
	18	4.9		27	GND		25	GND
	19	GND		28	3.9		26	GND
	20	0		29	5.2		27	GND
	21	1.1		30	2.9	IC8	28	5.2
	22	0.6		31	3.0		1	2.7
	23	GND		32	0	2	2.3	
	24	GND	IC4	1	4.6	3	2.3	
	25	1.4		2	3.6	4	4.9	
	26	4.9	3	4.6	5	4.9		
	27	2.6	4	GND	6	0.7		
	28	4.9	5	4.0	7	8.5		
	29	4.9	6	9.4	8	5.3		
	30	GND	7	3.9	9	GND		
	31	1.3	IC5	8	GND	10	0.4	
	32	3.0		1	5.3	11	7.7	
33	3.2	3	GND	12	4.1			
34	3.2	4	GND	13	GND			
35	GND	5	0.8	14	2.3			
36	1.1	8	GND	15	GND			
37	4.9	9	5.2	16	GND			
38	GND	10	GND	18	3.9			
39	1.6	11	3.3	19	0.4			
40	3.0	12	3.3	21	4.3			
41	3.2	14	1.6	25	8.5			
42	3.2	16	1.6	26	4.1			
43	GND	IC6	1	4.4	27	GND		
52	GND		2	0.4	28	3.7		
53	4.9	3	5.2	29	5.0			
56	4.9	4	2.1	30	2.5			
67	4.9	5	0	31	1.7			
68	4.9	6	0	32	0			
69	5.0	7	0	IC9	1	0		
70	5.0	8	GND		2	0.9		
71	GND	9	0	3	0			
72	GND	10	0.4	4	1.1			
73	4.9	11	0.4	5	0.9			
74	4.9	12	2.1	6	GND			
75	GND	13	2.6	7	GND			
76	GND	14	GND	8	GND			
77	GND	15	4.9	9	2.1			
78	GND	16	5.0	10	2.1			
79	GND	17	2.8	11	2.1			
80	GND	18	0.9	12	0.9			
IC2	1	2.6	19	0.9	13	0		
	2	2.0	20	1.0	14	1.1		
	3	GND	21	0.9	15	1.1		
IC3	4	3.1	22	2.0	16	9.4		
	5	3.2	23	1.9	IC10	1	5.2	
	6	4.9	24	1.5		3	GND	
	7	3.5	25	0.7	4	GND		
	1	2.4	26	1.5	5	0.7		
	2	2.3	27	1.5	8	GND		
	3	2.7	28	5.2	9	5.2		
IC7	4	2.7	1	4.4	10	GND		
	5	4.9	2	1.5	11	3.4		
	6	4.9	3	1.5	12	3.3		
	7	8.6	4	0.7	14	1.6		
	8	5.4	5	1.5	16	1.6		
	9	GND	6	1.9				

All voltages are in V.  
Pin numbers which are not  
described are not used.

## B(1/3) BOARD TRANSISTOR VOLTAGE LIST

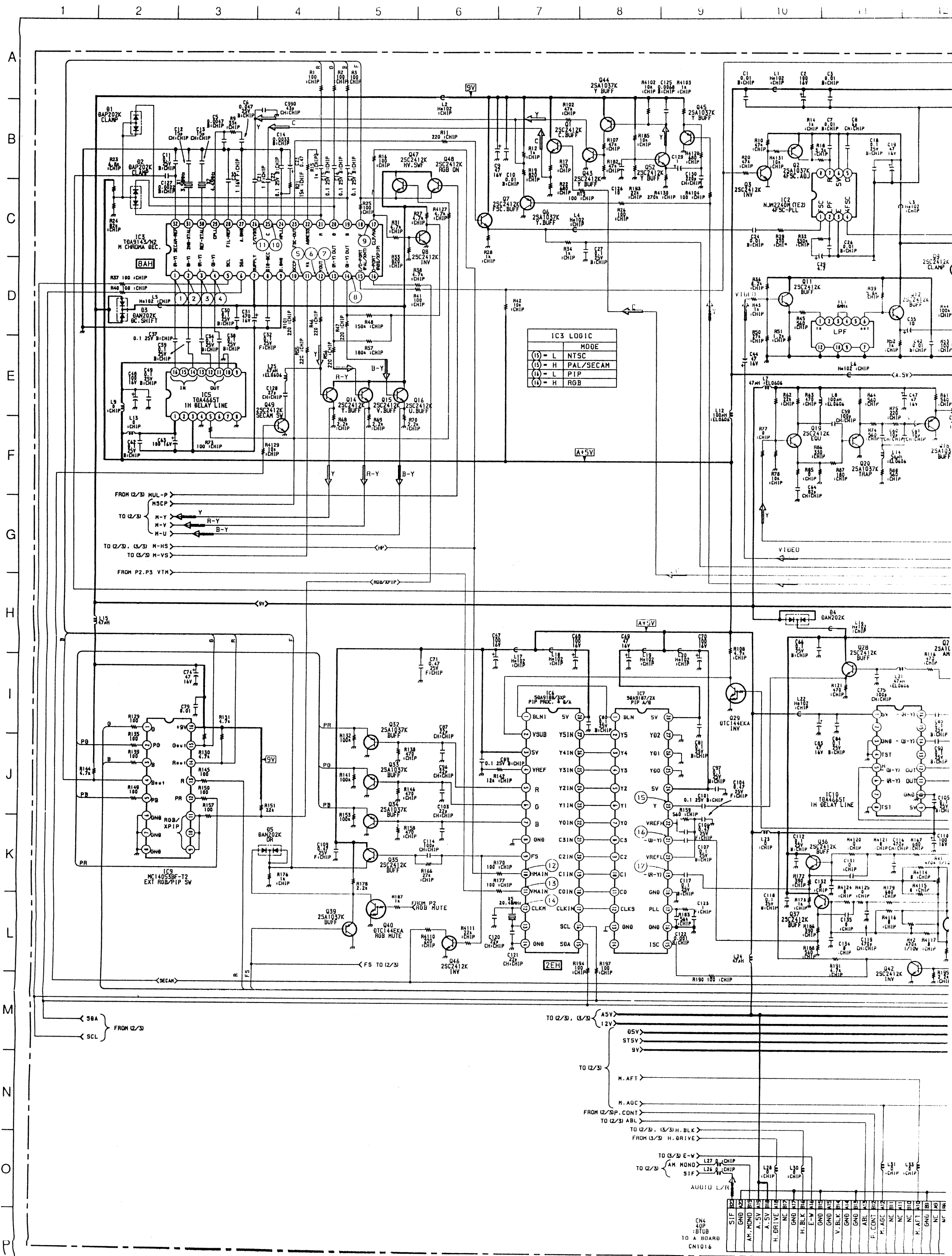
	B	C	E
Q1	5.4	9.4	4.8
Q2	4.0	4.8	4.9
Q3	0.7	4.0	GND
Q6	5.4	GND	6.0
Q7	4.5	9.4	3.9
Q8	0	7.8	GND
Q9	1.2	4.9	1.4
Q10	0.6	GND	1.2
Q11	3.7	4.9	3.1
Q12	3.3	4.9	2.6
Q13	0	2.5	GND
Q14	3.5	8.6	2.9
Q15	2.9	8.6	2.2
Q16	2.8	8.6	2.2
Q17	3.7	0	GND
Q18	2.9	GND	3.6
Q19	2.9	9.3	2.2
Q20	2.2	GND	2.9
Q22	2.5	3.2	1.8
Q23	1.6	GND	2.3
Q24	1.3	GND	1.9
Q25	2.2	GND	2.8
Q26	8.0	3.3	8.5
Q27	2.7	8.0	2.1
Q28	3.3	8.5	2.5
Q29	4.6	0.4	GND
Q30	2.5	GND	3.1
Q32	0	GND	0.8
Q33	0	GND	0.7
Q34	0	GND	0.7
Q35	0	5.2	0.4
Q36	3.4	8.5	2.7
Q37	3.4	8.5	2.7
Q38	1.8	8.5	1.9
Q39	0	GND	0.8
Q40	0	0.8	GND
Q41	0	5.3	GND
Q42	0.2	4.8	GND

All voltages are in V.

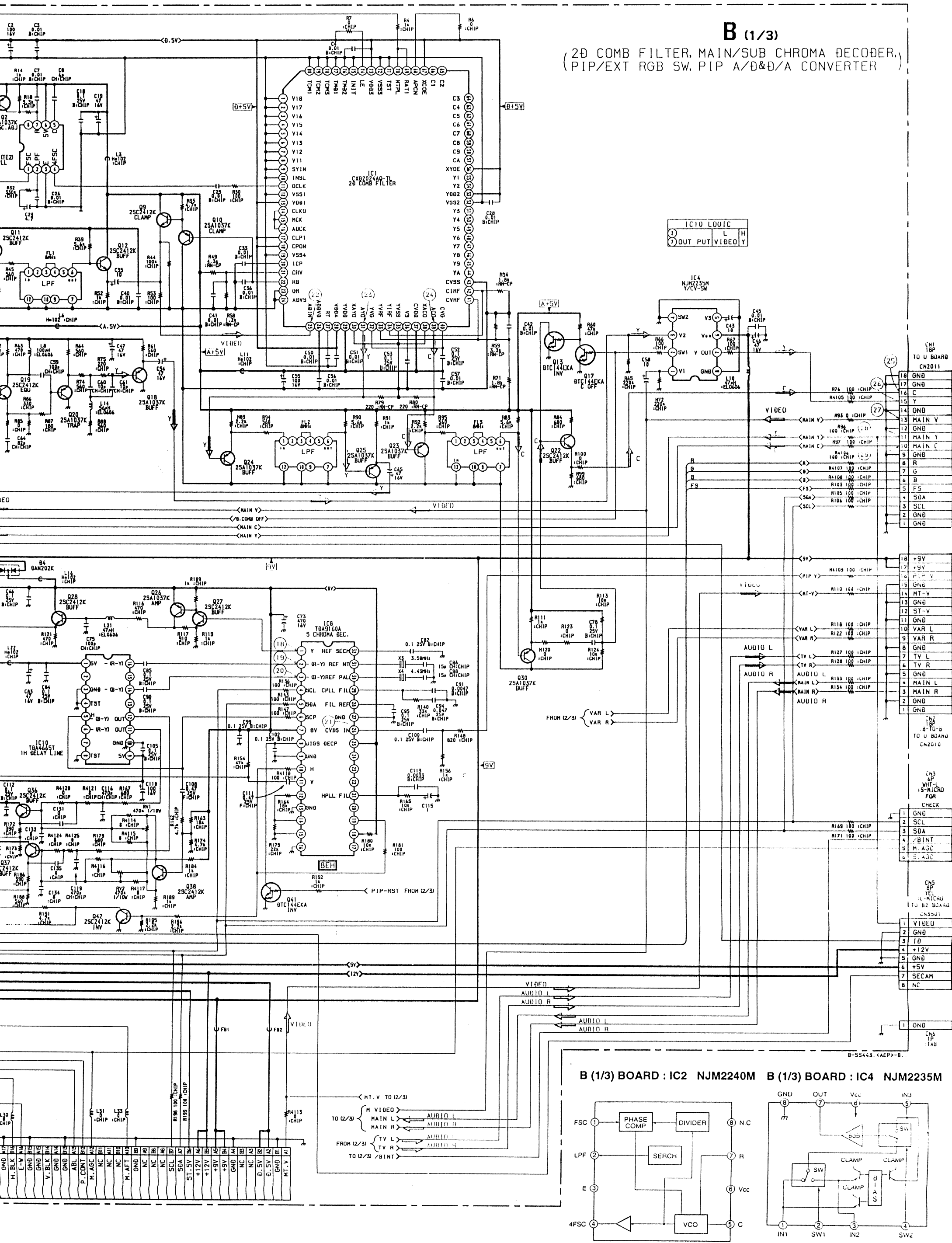
Schematic diagrams

B (1/3) B (2/3) board →

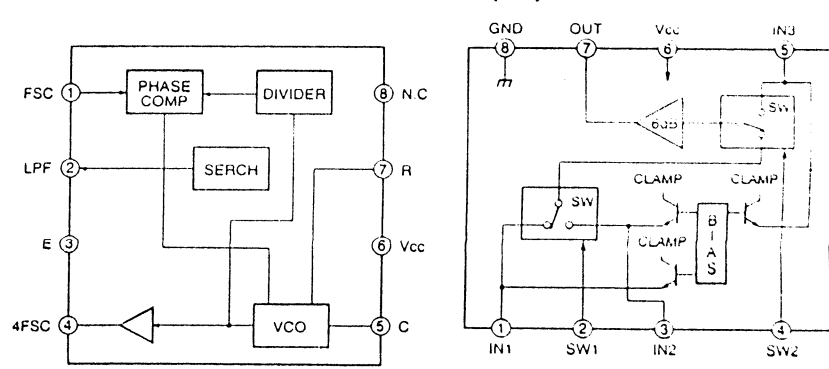


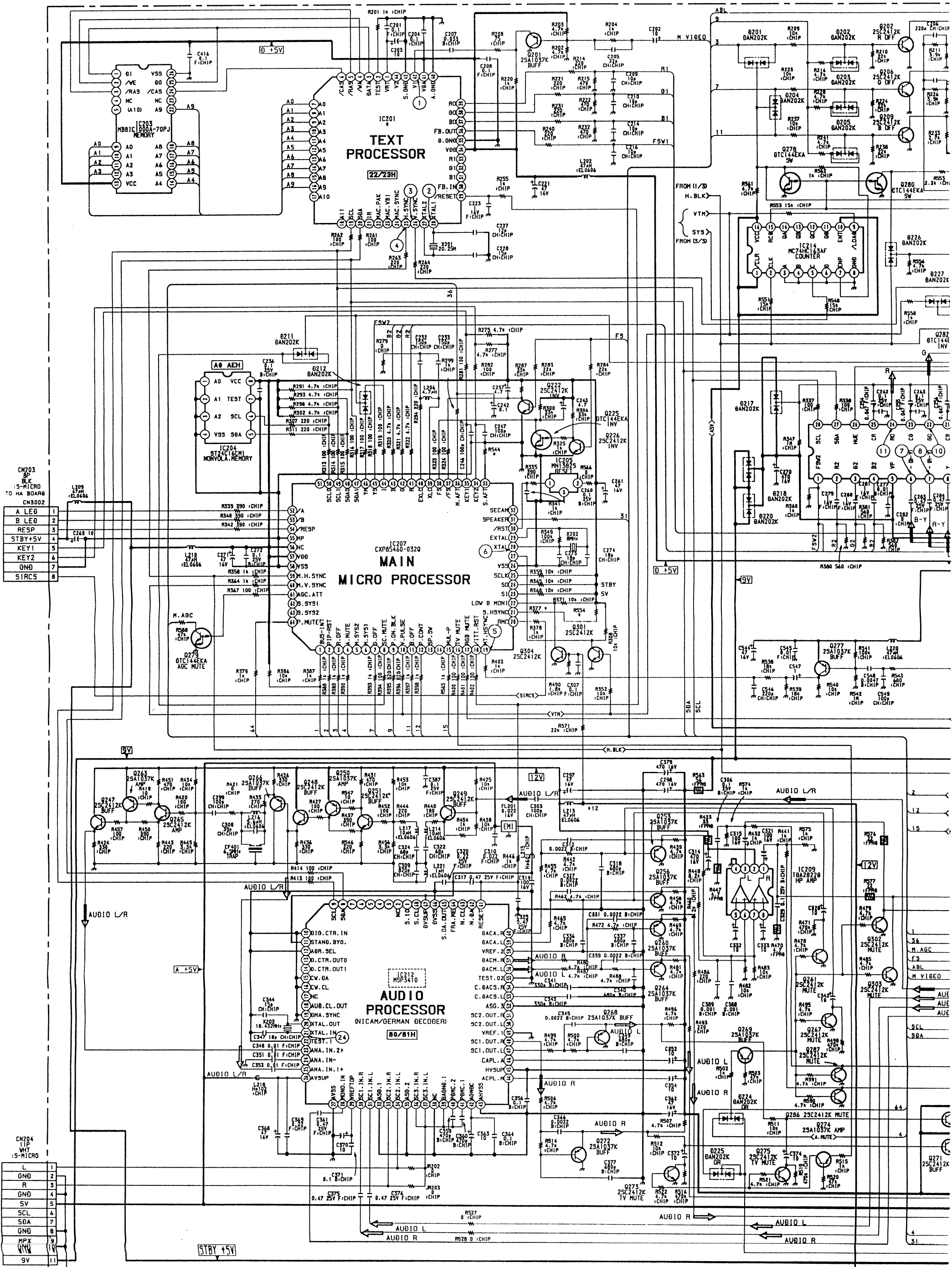


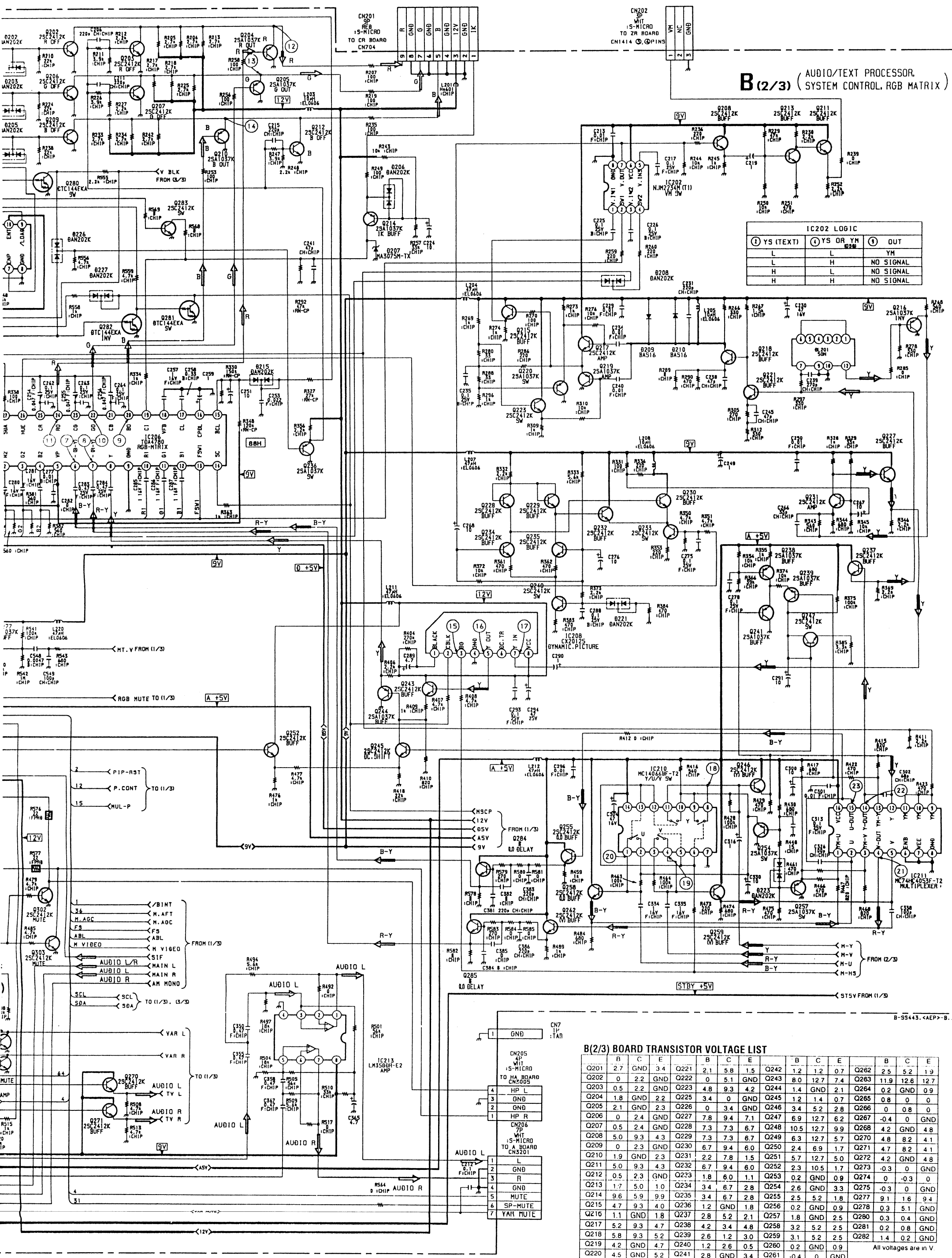
IC10 LOGIC		
2	L	H
7	OUT PUT	VIDEO Y



**B (1/3) BOARD : IC2 NJM2240M    B (1/3) BOARD : IC4 NJM2235M**







IC202 LOGIC		
② YS (TEXT)	④ YS OR YM 図 5-28	⑤ OUT
L	L	YM
L	H	NO SIGNAL
H	L	NO SIGNAL
H	H	NO SIGNAL

### B(2/3) BOARD TRANSISTOR VOLTAGE LIST

	B	C	E		B	C	E		B	C	E		B	C	E
Q201	2.7	GND	3.4	Q221	2.1	5.8	1.5	Q242	1.2	1.2	0.7	Q262	2.5	5.2	1.9
Q202	0	2.2	GND	Q222	0	5.1	GND	Q243	8.0	12.7	7.4	Q263	11.9	12.6	12.7
Q203	0.5	2.2	GND	Q223	4.8	9.3	4.2	Q244	1.4	GND	2.1	Q264	0.2	GND	0.9
Q204	1.8	GND	2.2	Q225	3.4	0	GND	Q245	1.2	1.4	0.7	Q265	0.8	0	0
Q205	2.1	GND	2.3	Q226	0	3.4	GND	Q246	3.4	5.2	2.8	Q266	0	0.8	0
Q206	0	2.4	GND	Q227	7.8	9.4	7.1	Q247	6.9	12.7	6.2	Q267	-0.4	0	GND
Q207	0.5	2.4	GND	Q228	7.3	7.3	6.7	Q248	10.5	12.7	9.9	Q268	4.2	GND	4.8
Q208	5.0	9.3	4.3	Q229	7.3	7.3	6.7	Q249	6.3	12.7	5.7	Q270	4.8	8.2	4.1
Q209	0	2.3	GND	Q230	6.7	9.4	6.0	Q250	2.4	6.9	1.7	Q271	4.7	8.2	4.1
Q210	1.9	GND	2.3	Q231	2.2	7.8	1.5	Q251	5.7	12.7	5.0	Q272	4.2	GND	4.8
Q211	5.0	9.3	4.3	Q232	6.7	9.4	6.0	Q252	2.3	10.5	1.7	Q273	-0.3	0	GND
Q212	0.5	2.3	GND	Q233	1.8	6.0	1.1	Q253	0.2	GND	0.9	Q274	0	-0.3	0
Q213	1.7	5.0	1.0	Q234	3.4	6.7	2.8	Q254	2.6	GND	3.3	Q275	-0.3	0	GND
Q214	9.6	5.9	9.9	Q235	3.4	6.7	2.8	Q255	2.5	5.2	1.8	Q277	9.1	1.6	9.4
Q215	4.7	9.3	4.0	Q236	1.2	GND	1.8	Q256	0.2	GND	0.9	Q278	0.3	5.1	GND
Q216	1.1	GND	1.8	Q237	2.8	5.2	2.1	Q257	1.8	GND	2.5	Q280	0.3	0.4	GND
Q217	5.2	9.3	4.7	Q238	4.2	3.4	4.8	Q258	3.2	5.2	2.5	Q281	0.2	0.8	GND
Q218	5.8	9.3	5.2	Q239	2.6	1.2	3.0	Q259	3.1	5.2	2.5	Q282	1.4	0.2	GND
Q219	4.2	GND	4.7	Q240	1.2	2.6	0.5	Q260	0.2	GND	0.9	All voltages are in V			
Q220	4.5	GND	5.2	Q241	2.8	GND	3.4	Q261	-0.4	0	GND				



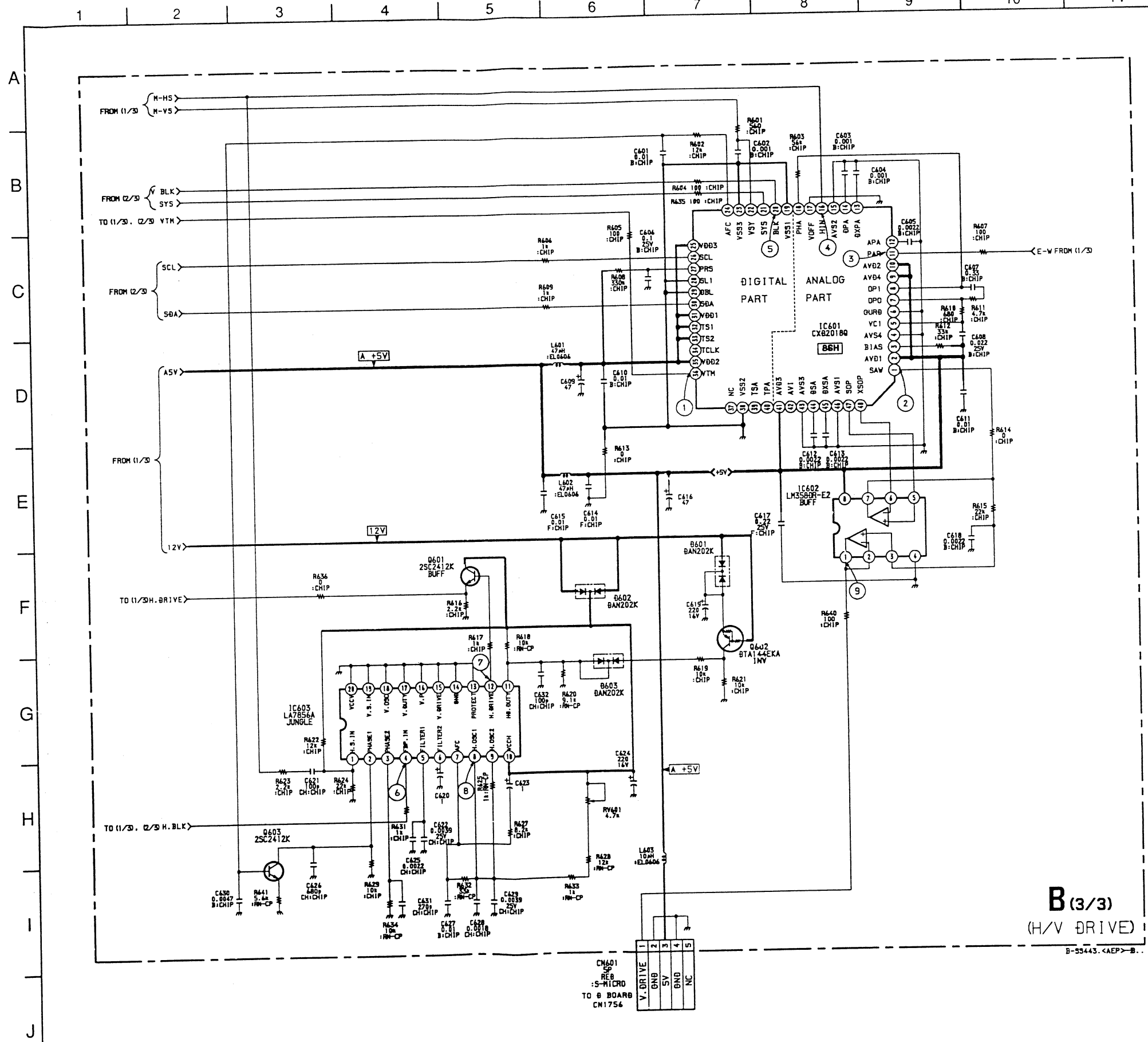
# B(3/3) BOARD IC VOLTAGE LIST

IC601	1	2.2	IC602	41	5.3
	2	5.3		43	GND
	3	1.8		44	1.6
	4	GND		45	1.6
	5	2.4		46	GND
	6	GND		47	1.9
	7	2.4		48	1.9
	8	2.7		1	2.2
	9	5.3		2	2.2
	10	5.3		3	2.2
IC603	11	2.2		4	GND
	12	2.2		5	1.9
	13	1.6		6	1.9
	14	1.6		7	2.1
	15	GND		8	5.3
	16	0.4		1	7.7
	17	GND		2	8.3
	18	2.7		3	8.4
	19	GND		4	0.9
	20	0.6		5	4.0
IC604	21	0		6	3.2
	22	0.2		7	6.3
	23	0		8	6.3
	24	1.3		9	5.9
	25	5.3		10	12.0
	26	4.9		11	6.0
	27	5.1		12	4.7
	28	GND		13	GND
	29	GND		14	GND
	30	4.9		15	GND
IC605	31	5.3		16	GND
	32	5.3		17	GND
	33	5.3		18	GND
	34	5.3		19	GND
	35	5.3		20	GND
	36	0.5			
	37	GND			
	38	GND			

All voltages are in V.  
Pin numbers which are not  
described are not used.

## B(3/3) BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q601	4.7	12.0	4.2
Q602	12.7	0	12.6

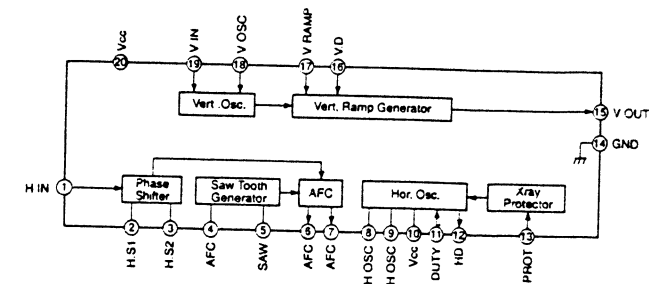


B(3/3)  
(H/V DRIVE)  
B-55443.<AEP>-B..

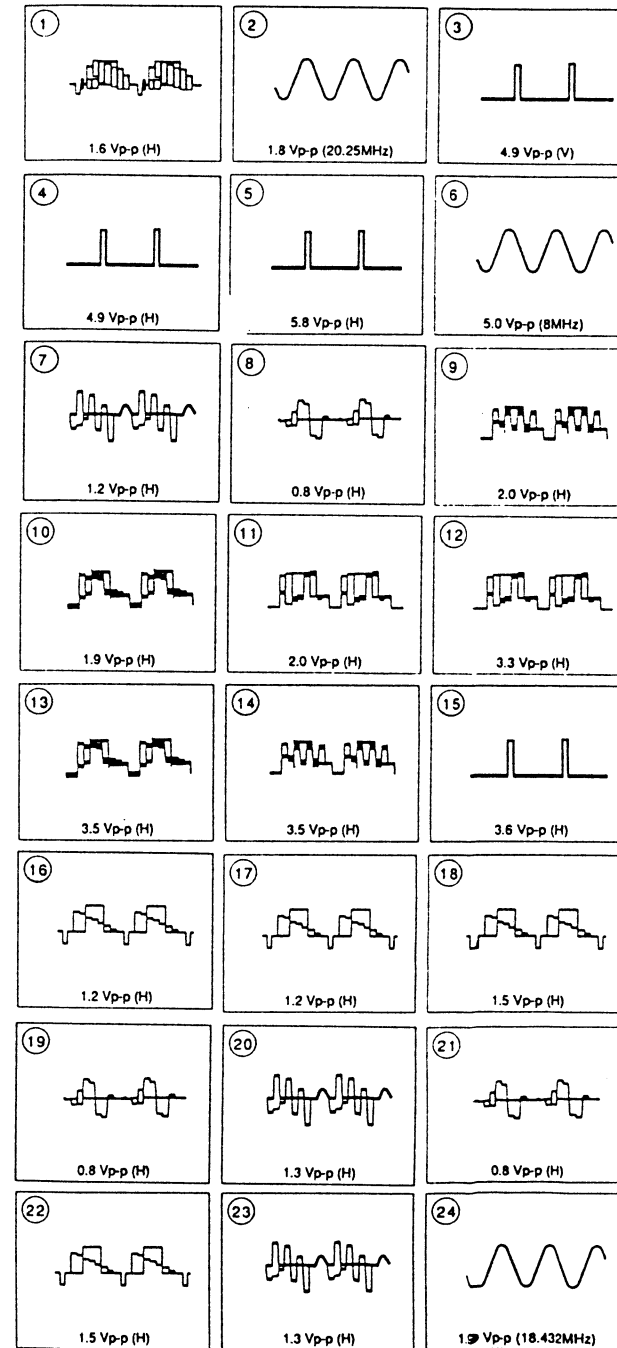
Schematic diagrams

← B(2/3) board B(3/3) board →

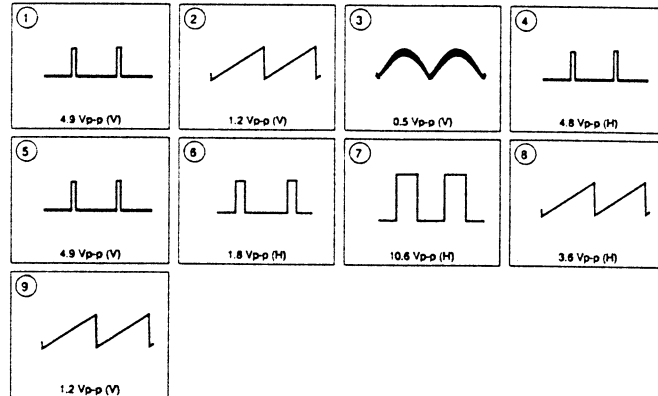
B (3/3) BOARD : IC603 LA7856A



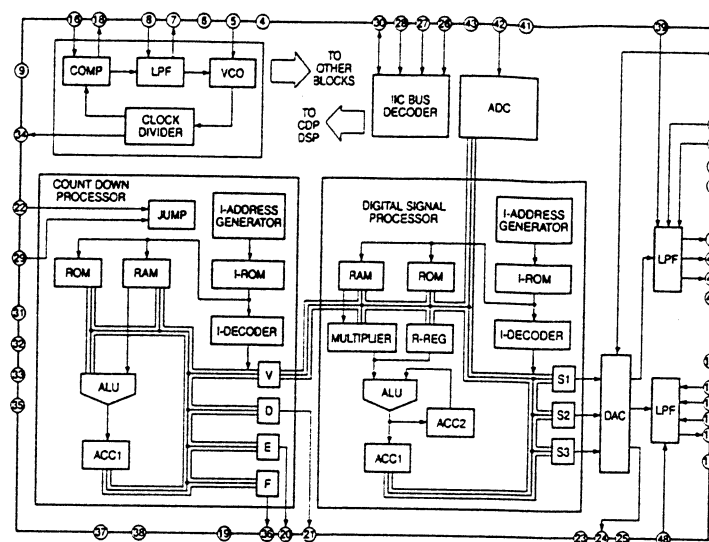
• B (2/3) BOARD WAVEFORMS



• B (3/3) BOARD WAVEFORMS



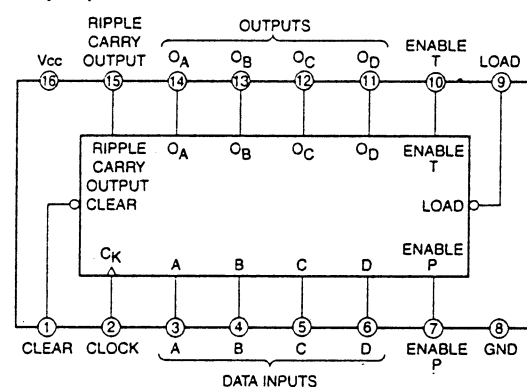
B (3/3) BOARD : IC601 CXD2018Q



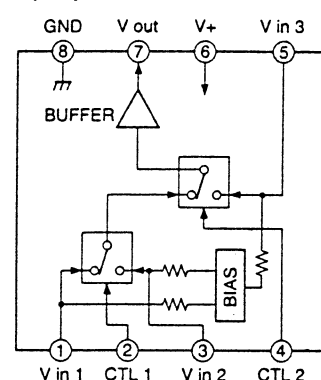
B(2/3) BOARD \* MARK LIST

	KP-41S3/41S3U	KP-41S3K
IC201	TPU3040-TC20	TPU3041TC-22-TP

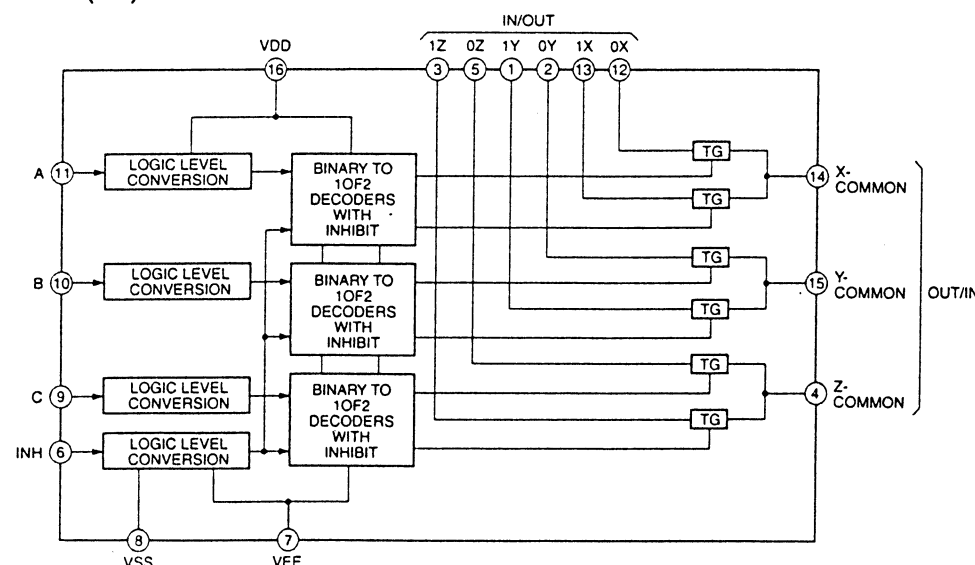
B (2/3) BOARD : IC214 MC74HC163AF



B (2/3) BOARD : IC202 NJM2234M



B (2/3) BOARD : IC211 MC74HC4053F-T2



B(2/3) BOARD IC VOLTAGE LIST

IC201	1	3.1	IC206	1	0	IC208	45	0	IC209	15	GND
	2	0		2	5.4		46	0		16	GND
	3	0.2		3	5.4		47	4.9		19	GND
	4	5.2		4	5.4		48	5.2		20	2.7
	5	5.1		5	8.6		49	4.9		21	2.6
	6	5.2		6	4.3		50	5.2		22	GND
	7	2.7		7	4.3		52	4.0		23	1.7
	8	2.7		8	4.1		53	4.0		24	1.7
	9	2.7		9	GND		54	4.0		25	0.7
	10	2.7		10	5.4		55	GND		26	5.2
	11	2.7		11	5.4		56	5.2		27	GND
	12	2.6		12	5.4		57	5.2		28	4.1
	13	2.6		13	0		58	0		29	2.9
	14	2.7		14	0.8		59	0.4		30	4.1
	15	2.7		15	4.5		60	0.6		31	4.1
	16	2.6		16	5.1		61	0		32	GND
	17	2.6		17	5.5		62	0		33	4.1
	19	4.9		18	2.2		63	0		34	4.1
	20	4.9		19	5.8		64	0		35	GND
	25	0.4		20	1.9		1	9.3		36	4.1
	26	0.6		21	3.2		2	0.6		37	4.1
	27	2.8		22	2.1		3	0.3		38	GND
	28	*		23	3.2		4	GND		39	4.1
	29	5.2		24	1.8		5	8.0		40	4.1
	34	5.2		25	3.0		6	9.5		41	4.1
	35	GND		26	3.5		7	6.1		42	4.1
	36	0		27	5.0		8	12.7		43	GND
	37	0		28	4.8		1	6.5		44	7.2
38	0	IC207	1	5.2	2	12.4	45	8.2			
39	0		2	0	3	6.6	46	7.1			
40	GND		3	0	4	GND	47	4.2			
41	5.2		4	0	5	1.4	48	4.2			
42	1.7		5	0	6	0.9	49	GND			
43	GND		6	0	7	0.9	52	GND			
IC202	1		5.7	7	0	8	1.4	53	4.1		
	2		0	8	0	1	3.2	54	4.1		
	3	5.8	9	0	2	3.3	55	GND			
	4	0	10	0.6	3	3.3	56	0.2			
	5	5.7	11	0	4	3.1	57	0.2			
	6	9.3	12	5.1	5	0.4	58	GND			
	7	5.0	13	0	6	0.4	59	0.2			
	8	GND	15	0	7	GND	60	0.2			
IC203	1	0.2	16	0	8	3.4	61	5.2			
	2	5.2	17	0	9	3.3	66	GND			
	3	5.1	18	5.2	10	3.3	67	5.2			
	5	0	19	0.2	11	3.4	IC213	1	1.1		
	9	2.7	20	5.2	12	0.4		2	1.2		
	10	2.7	21	0.2	13	0.4		3	1.2		
	11	2.7	22	0	14	5.2		4	GND		
	12	2.7	23	0	IC211	1	2.5	5	1.2		
	13	5.2	24	0		2	2.5	6	1.1		
	14	5.7	25	5.2		3	2.5	7	1.2		
	15	2.6	26	GND		4	2.5	8	8.2		
	16	2.6	27	0	5	2.5	IC214	1	0		
	17	2.7	28	2.7	6	GND		2	1.4		
	18	2.7	29	2.6	7	GND		3	GND		
	22	2.6	30	5.2	8	GND		4	GND		
	24	5.2	31	0	9	0	5	0			
25	0.2	32	0	10	0	6	GND				
26	GND	33	0	11	0	7	5.2				
IC204	1	GND	34	5.2	12	2.8	8	GND			
	2	GND	35	5.2	13	2.6	9	0.5			
	3	GND	36	2.6	14	2.8	10	5.2			
	4	GND	37	5.2	15	2.5	11	-			
	5	5.2	38	0	16	5.2	15	0			
	6	5.2	39	3.8	IC212	1	-	16	5.3		
	7	GND	40	2.8		8	5.0				
	8	5.2	41	0		9	4.9				
IC205	1	5.2	42	0		10	GND				
	2	5.2	43	0	11	5.2					
	3	GND	44	0	12	GND					

All voltages are in V.  
\*Can not measured.  
Pin numbers which are not described are not used.

- B BOARD -

**B (1/3)**

2D COMB FILTER, MAIN/SUB  
CHROMA DECODER, PIP/EXT RGB SW,  
PIP A/D & D/A CONVERTER

**B (2/3)**

AUDIO/TEXT PROCESSOR,  
SYSTEM CONTROL, RGB MATRIX

**B (3/3)**

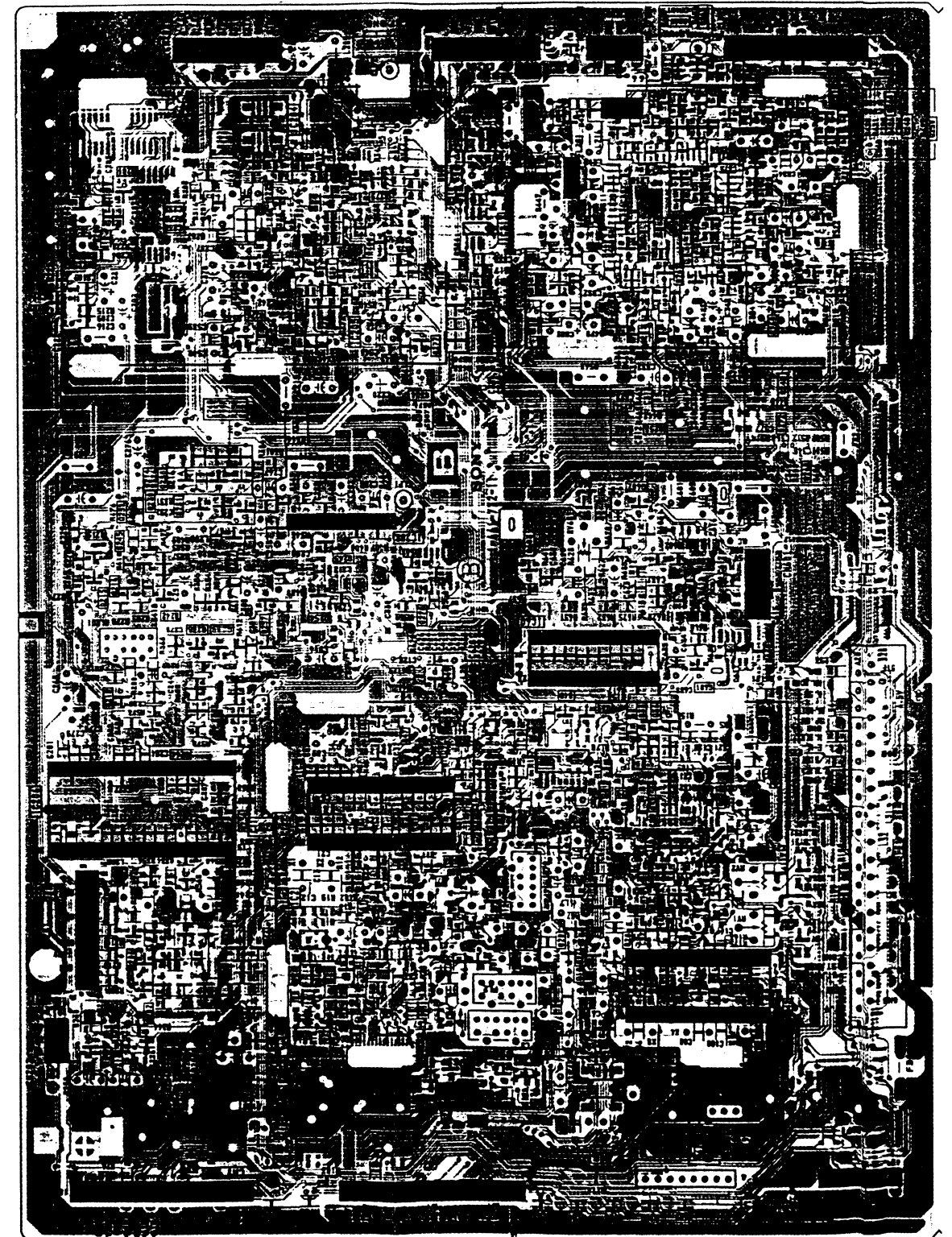
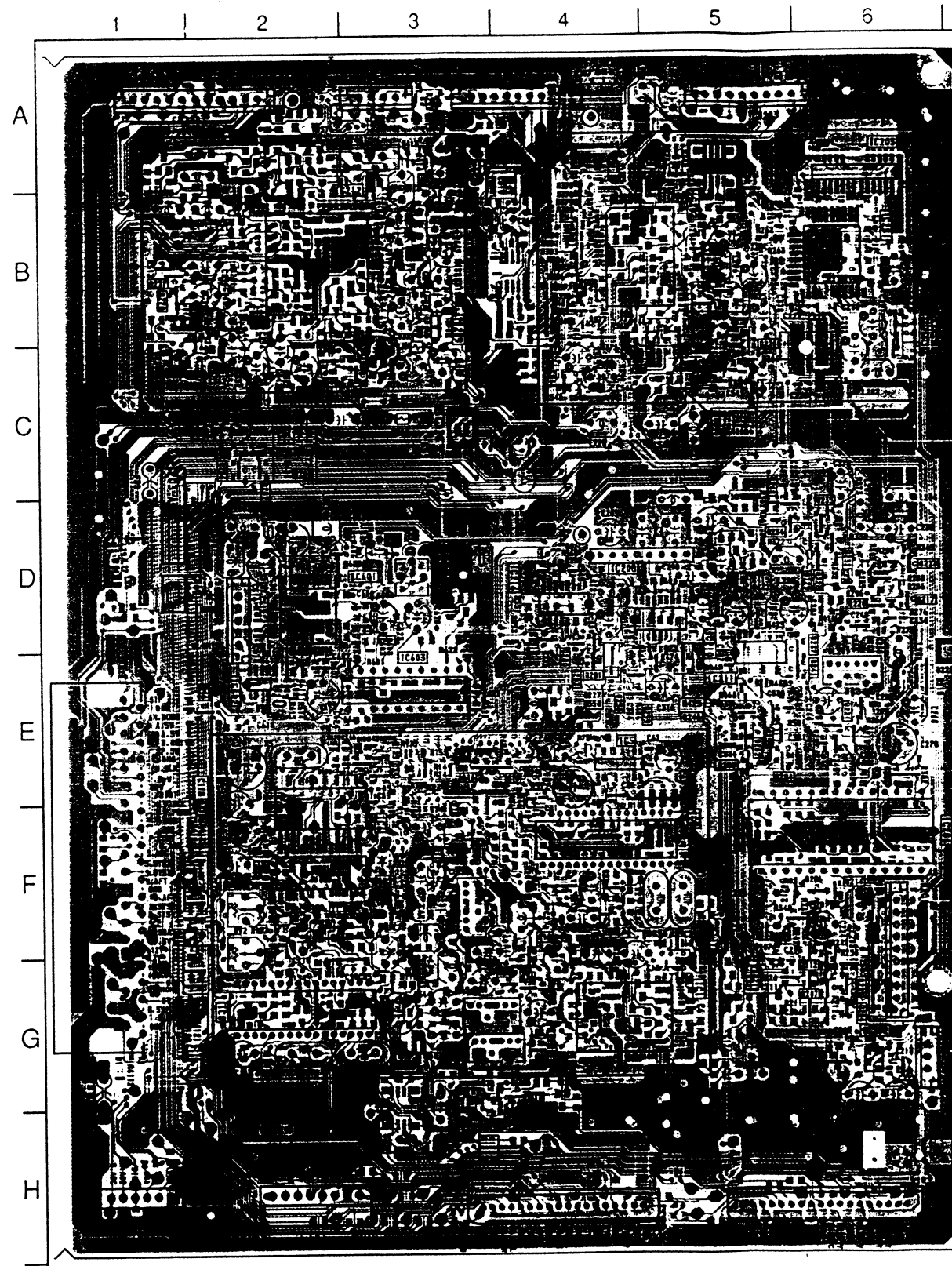
[H/V DRIVE]

NOTE:

- Pattern from the side which is seeing
- Pattern of the rear side.

**B BOARD**

DIODE	Q3	G-9	Q231	D-8
D1	F-4	Q6	F-9	Q232
D2	F-4	Q7	F-10	Q233
D3	E-9	Q8	F-10	Q234
D4	G-11	Q9	F-10	Q235
D5	E-3	Q10	G-4	Q236
D201	G-8	Q11	F-3	Q237
D202	G-8	Q12	F-10	Q238
D203	G-8	Q13	G-4	Q239
D204	G-8	Q14	E-4	Q240
D205	G-8	Q15	E-4	Q241
D206	F-6	Q16	E-3	Q242
D207	F-5	Q17	G-4	Q243
D208	G-6	Q18	G-11	Q244
D209	E-6	Q19	F-11	Q245
D210	E-6	Q20	G-11	Q246
D211	B-5	Q22	G-10	Q247
D212	B-9	Q23	G-4	Q248
D214	D-8	Q24	G-4	Q249
D215	G-5	Q25	G-4	Q250
D216	D-8	Q26	G-11	Q251
D217	F-7	Q27	G-11	Q252
D218	E-6	Q28	F-11	Q253
D220	E-6	Q29	F-11	Q254
D221	D-6	Q30	G-10	Q255
D222	A-11	Q32	F-11	Q256
D223	D-9	Q33	E-11	Q257
D224	C-1	Q34	E-11	Q258
D225	C-2	Q35	E-3	Q259
D226	D-4	Q36	F-2	Q260
D227	E-4	Q37	F-2	Q261
D601	D-3	Q38	F-2	Q262
D602	D-11	Q39	E-11	Q263
D603	D-11	Q40	E-11	Q264
IC	Q41	G-11	Q265	A-11
IC1	G-4	Q42	G-12	Q266
IC2	G-9	Q201	B-8	Q267
IC3	F-4,F-9	Q202	G-8	Q268
IC4	G-11	Q203	G-6	Q269
IC5	E-4	Q204	G-6	Q270
IC6	F-2	Q205	G-6	Q271
IC7	F-2	Q206	G-8	Q272
IC8	G-2,G-11	Q207	G-6	Q273
IC9	E-10	Q208	G-8	Q274
IC10	F-2	Q209	G-8	Q275
IC201	B-6	Q210	G-8	Q277
IC202	G-6	Q211	G-7	Q278
IC203	A-6	Q212	G-6	Q279
IC204	A-9	Q213	G-7	Q280
IC205	B-9	Q214	F-6	Q281
IC206	F-6,F-8	Q215	D-8	Q282
IC207	B-5	Q216	D-8	Q283
IC208	D-4,D-9	Q217	D-6	Q284
IC209	B-3	Q218	E-8	Q285
IC210	D-5	Q219	D-8	Q286
IC211	E-5	Q220	D-6	Q287
IC212	B-2	Q221	E-6	Q601
IC213	B-10	Q222	B-8	Q602
IC214	D-4	Q223	D-6	
IC601	D-2	Q225	B-9	
IC602	E-2	Q226	B-5	
IC603	E-3,E-11	Q227	D-8	
TRANSISTOR	Q228	D-6		
Q1	F-9	Q229	D-6	
Q2	G-9	Q230	D-8	





D BOARD

DIODE

D1501	B-8
D1502	B-8
D1503	B-8
D1505	A-5
D1551	C-6
D1552	A-6
D1553	A-6
D1601	E-4
D1602	E-5
D1803	C-9
D1812	B-5
D1814	B-5
D1825	D-6
D1826	D-5
D1827	D-8
D1931	C-7
D1932	C-7
D1934	C-7
D1935	C-7
D1936	C-11
D1937	C-10
D1942	D-7
D1945	D-10
D1946	D-10
D1947	D-10
D1948	C-7
D1949	D-10
D1951	D-7
D1953	C-10
D1954	D-10

IC

IC1501	B-8
IC1601	D-4
IC1602	D-2
IC1701	B-10
IC1702	A-9
IC1801	E-7
IC1802	C-9
IC1803	C-5
IC1804	C-6
IC1805	E-8
IC1806	C-8
IC1807	E-5
IC1808	D-5
IC1809	E-10
IC1931	C-7
IC1932	C-10

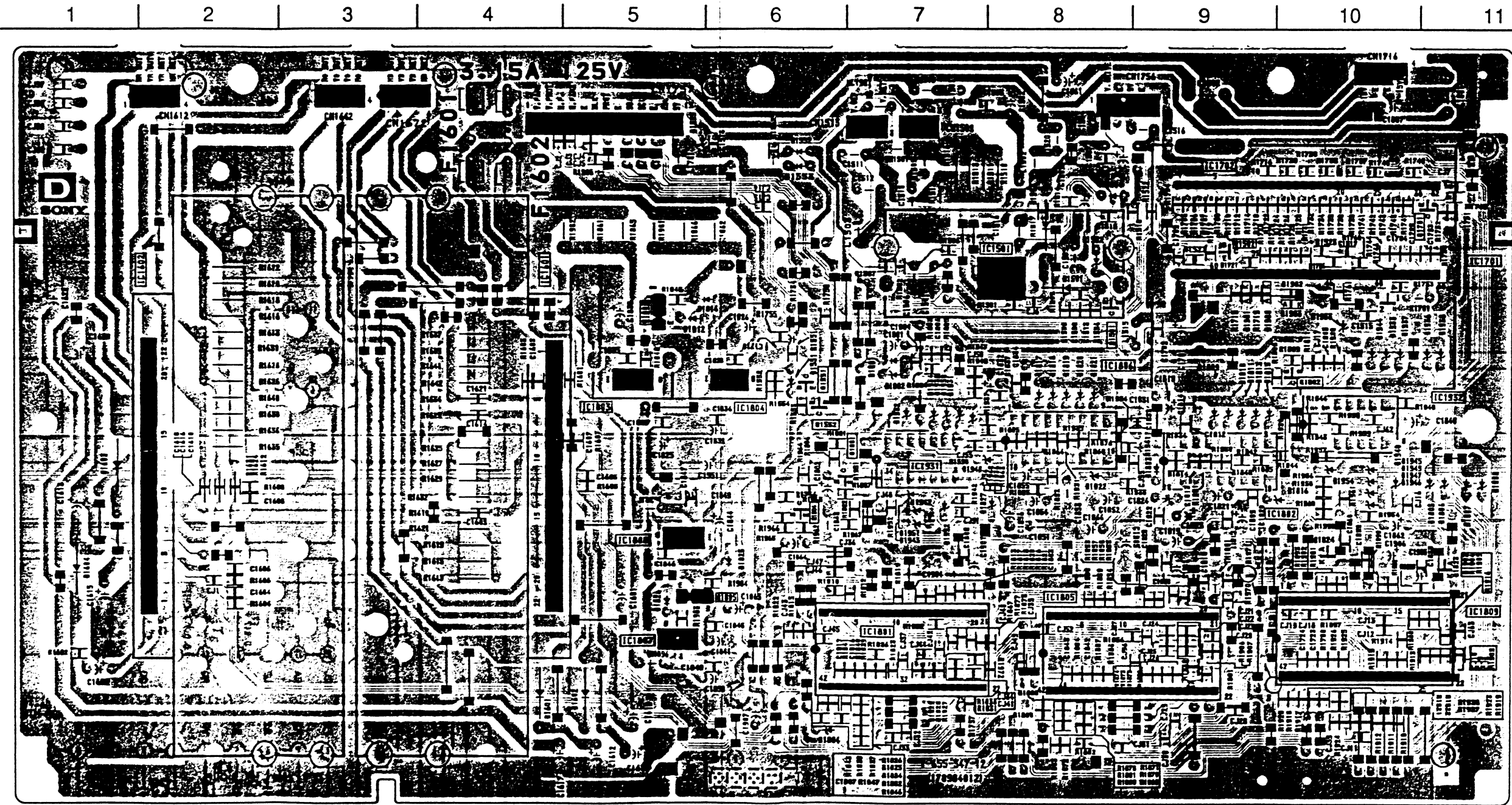
TRANSISTOR

Q1501	B-8
Q1502	B-9
Q1551	C-6
Q1552	C-6
Q1701	B-11
Q1801	D-6
Q1802	C-10
Q1803	B-5
Q1804	D-6
Q1805	D-5

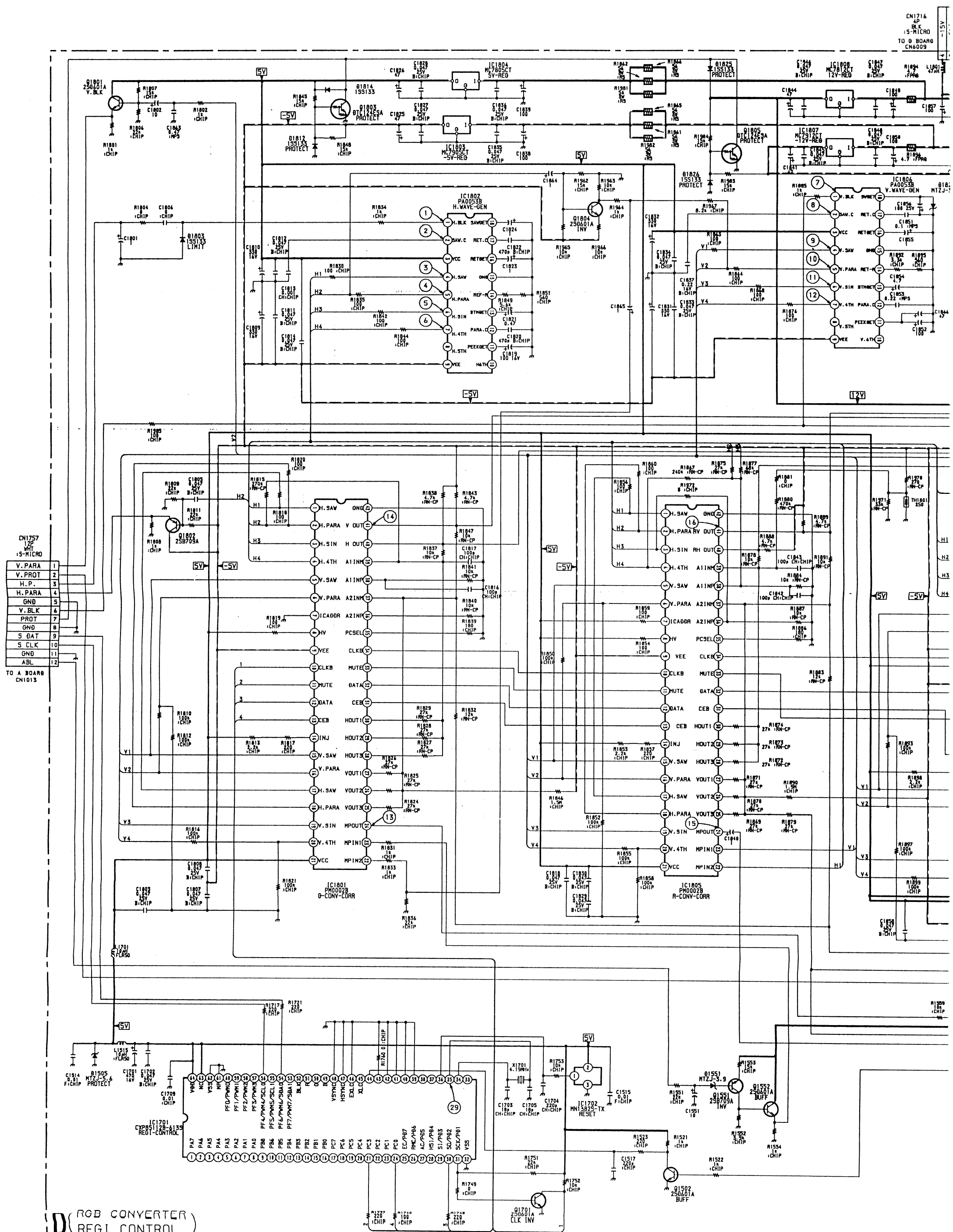
D

[RGB CONVERTER, REGI CONTROL]

- D BOARD -







**D**( RGB CONYERTER )  
( REGI CONTROL )

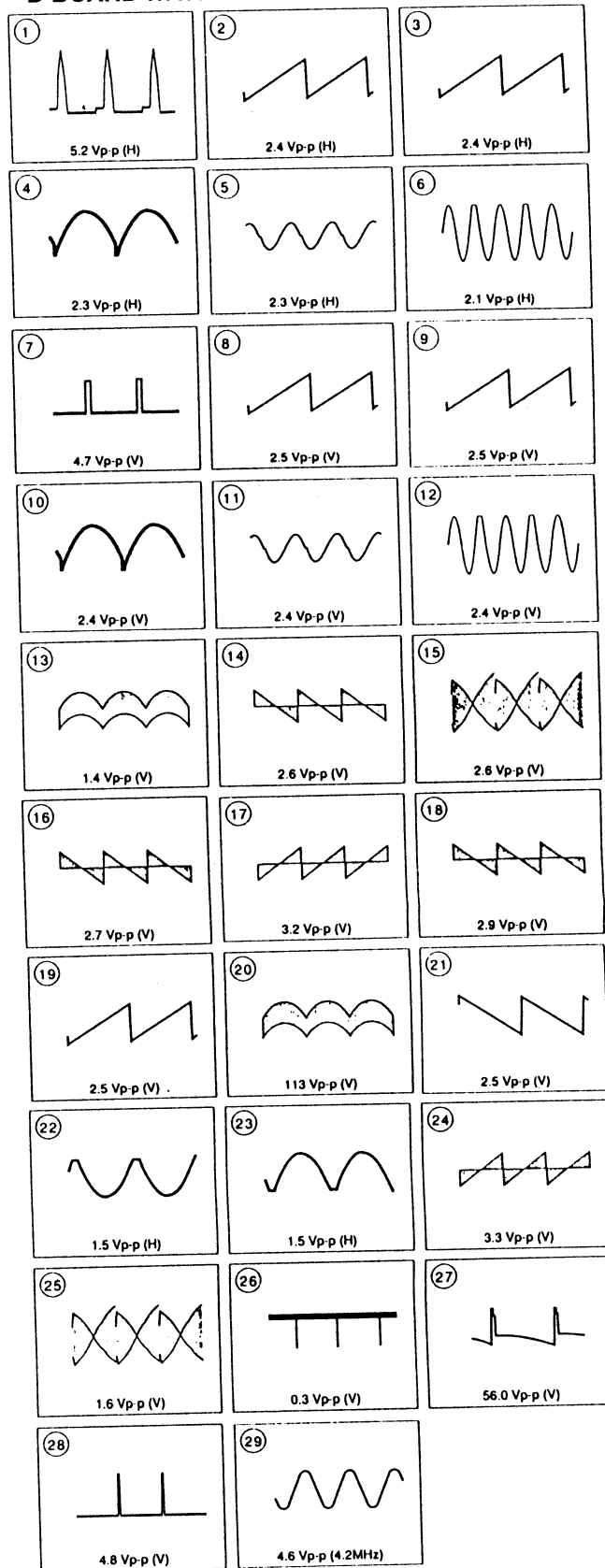


# D BOARD IC VOLTAGE LIST

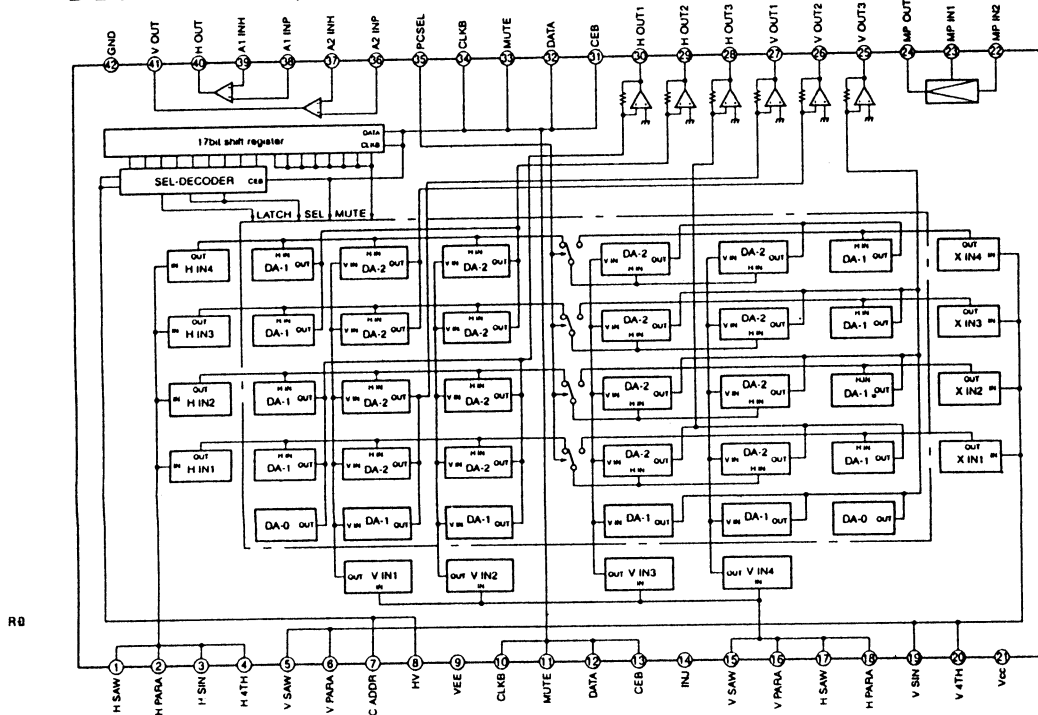
IC1501	1	1.2	IC1702	56	4.9	IC1803	17	1.4	IC1808	G	GND		
	2	14.8		58	0		18	-1.6		O	-12.7		
	3	-13.3		59	0		I	-11.4		I	14.7		
	4	-14.7		60	0		G	GND		G	GND		
	5	0.5		61	GND		O	-5.2		O	12.7		
	6	14.8		62	GND		I	11.9		I	0		
	7	1.2		63	5.3		G	GND		G	GND		
	IC1601	1		-13.1	IC1801		64	5.3		IC1804	O	5.4	IC1809
2		-13.1	1	5.4		1	0	2	-0.9				
3		-13.1	2	5.3		2	-0.8	3	0		3	0	
4		0	3	GND		3	0	4	-1.2		4	-1.1	
5		0	1	0		4	-1.2	5	0		5	0	
6		0.2	2	-0.9		5	0	6	-0.4		6	-0.4	
7		0.2	3	0		6	-0.4	7	5.4		7	-5.2	
8		0	4	-1.2		7	5.4	8	5.4		8	5.4	
9		0	5	0		8	5.4	9	-5.2		9	-5.2	
10		0	6	-0.4		9	-5.2	10	5.2		10	5.2	
11		14.2	7	0		10	5.2	11	5.4		11	5.3	
12		-14.1	8	5.4		11	5.4	12	0		12	0.2	
13		-14.1	9	-5.2		12	0	13	5.2		13	5.2	
14		14.2	10	5.2		13	5.2	14	-2.1		14	-2.2	
15		14.8	11	5.4		14	-2.1	15	0		15	0	
16		-14.7	12	0.2		15	0	16	-0.8		16	-0.9	
17		-14.7	13	5.2		16	-0.8	17	0		17	0	
18		14.8	14	-2.1		17	0	18	-0.8		18	-0.8	
19		-14.7	15	0		18	-0.8	19	0		19	0	
20		0.4	16	-0.9		19	0	20	-0.5		20	-0.5	
21		0.2	17	0		20	-0.5	21	5.4		21	5.4	
22		0	18	-0.9		21	5.4	22	0		22	0	
IC1602	1	-13.0	19	0	22	0	23	0	23	-0.6			
	2	-13.0	20	-0.5	23	0	24	0	24	0			
	3	-13.0	21	5.3	24	0	25	-0.4	25	0.4			
	4	0.2	22	0	25	-0.4	26	0	26	0			
	5	0	23	1.0	26	0	27	0	27	0			
	6	0.3	24	0	27	0	28	0	28	0			
	7	0.3	25	0	28	0	29	0	29	-0.2			
	8	0	26	0	29	0	30	-0.5	30	1.1			
	9	-0.2	27	0	30	-0.5	31	5.2	35	0			
	10	-0.1	28	0	31	5.2	32	0	36	0			
	11	14.2	29	0	32	0	33	5.4	37	0			
	12	-14.1	30	0	33	5.4	34	5.2	38	0			
	13	-14.1	31	5.2	34	5.2	35	0	39	0			
	14	14.2	32	0.2	35	0	36	0	40	0.3			
	15	14.8	33	5.4	36	0	37	0	41	0			
	16	-14.8	34	5.2	37	0	38	0	42	GND			
	17	-14.8	35	0	38	0	39	0	IC1931	1	0		
	18	14.8	36	0	39	0	40	-0.2	2	0			
	19	-14.7	37	0	40	-0.2	41	0.3	3	0			
	20	0.4	38	0	41	0.3	42	GND	4	12.7			
	21	-0.2	39	0	42	GND	1	0.2	5	0			
	22	0.2	40	0.2	IC1806	1	0.2	2	1.4	6	0		
IC1701	21	5.4	41	0	2	1.4	3	5.3	7	-0.2			
	24	5.2	42	GND	3	5.3	4	0	11	-12.7			
	30	0.2	IC1802	1	0.6	4	0	12	GND				
	31	0.2		2	1.4	5	-0.9	13	0				
	32	GND		3	5.3	6	0	14	0				
	34	2.7		4	0	7	-1.1	15	0.7				
	35	2.4		5	-0.9	8	0	3	GND				
	36	5.4		6	0	9	-5.2	4	12.7				
	39	0		7	-1.1	10	0.2	5	0				
	40	0		8	0	11	0.6	6	0				
	41	0		9	-5.2	12	-0.9	7	-0.6				
	42	0		10	0.3	13	0.3	8	0				
	43	0		11	0.6	14	1.3	9	0				
	44	4.7		12	-0.9	15	GND	10	0				
	46	0		13	0.5	16	-1.7	11	-12.7				
	47	0		14	1.3	17	1.4	12	0				
	48	0		15	GND	18	-1.7	13	0				
	54	4.9		16	-0.7	IC1807	I	-14.6	14	0			

All voltages are in V.  
Pin numbers which are not  
described are not used.

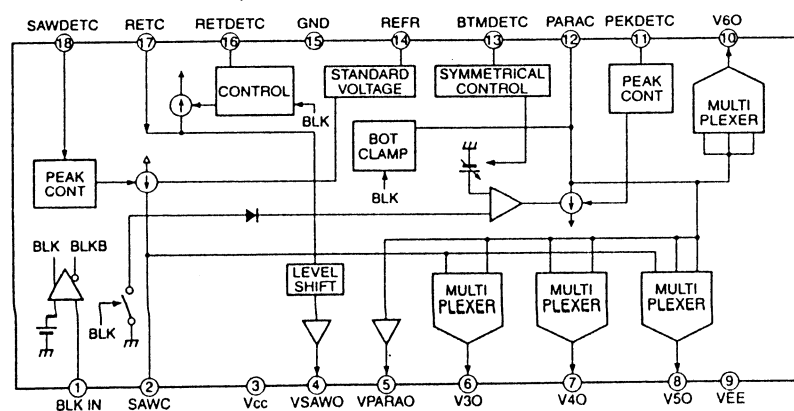
## D BOARD WAVEFORMS



## D BOARD : IC1801, 1805, 1809 PM0002B



## D BOARD : IC1802, 1806 PA0053B



U BOARD IC VOLTAGE LIST

IC2001	1	GND	19	*
	2	0	20	4.8
	3	0	21	0
	5	9.4	22	4.8
	6	2.0	23	4.7
	7	9.4	26	4.9
	8	2.5	28	4.9
IC2002	1	4.8	29	4.7
	2	4.8	31	4.9
	3	4.8	32	4.8
	4	4.8	33	4.8
	5	4.8	34	0.2
	6	0	35	4.8
	7	4.8	36	GND
	8	4.8	37	4.8
	9	4.8	38	4.9
	10	4.8	39	4.9
	11	4.8	40	4.7
	12	0	42	4.8
	13	4.8	43	4.8
	14	4.8	44	9.4
	15	4.8	45	4.8
	16	4.8	46	4.8
	17	4.8	47	4.8
	18	0	48	4.8

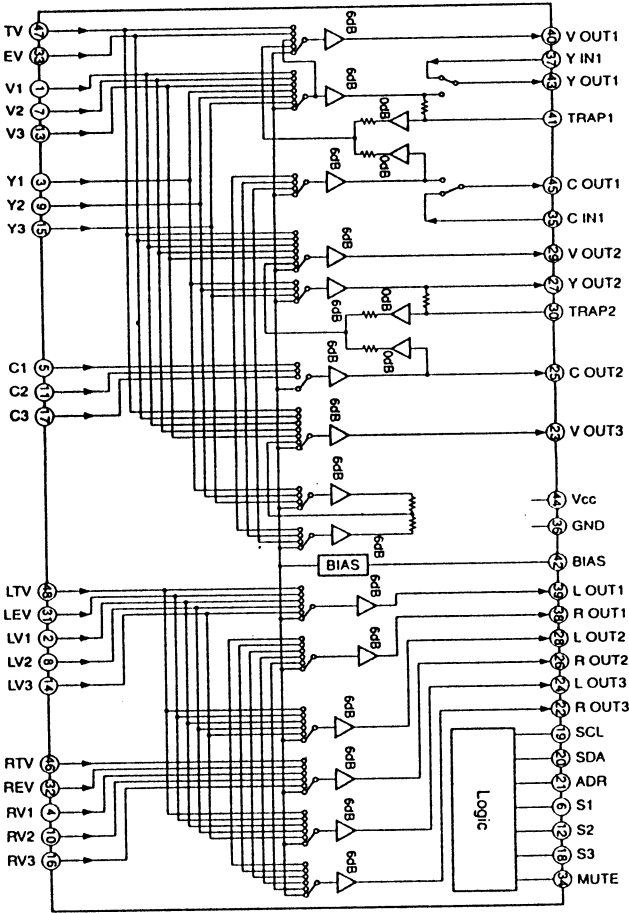
All voltages are in V.  
\*:Can not mesured.  
Pin numbers which are not  
described are not used.

U BOARD TRANSISTOR  
VOLTAGE LIST

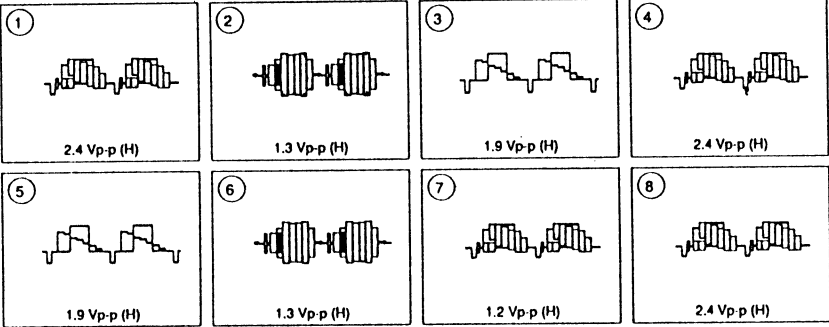
	B	C	E
Q2001	4.7	9.4	4.0
Q2002	9.4	-1.5	9.1
Q2003	4.7	9.4	4.1
Q2004	4.7	GND	5.4
Q2005	4.8	GND	5.4
Q2006	4.7	9.4	4.1
Q2007	4.7	0.9	5.3
Q2008	0	GND	0
Q2009	0	GND	0
Q2010	0	GND	0
Q2011	4.7	8.0	4.0

All voltages are in V.

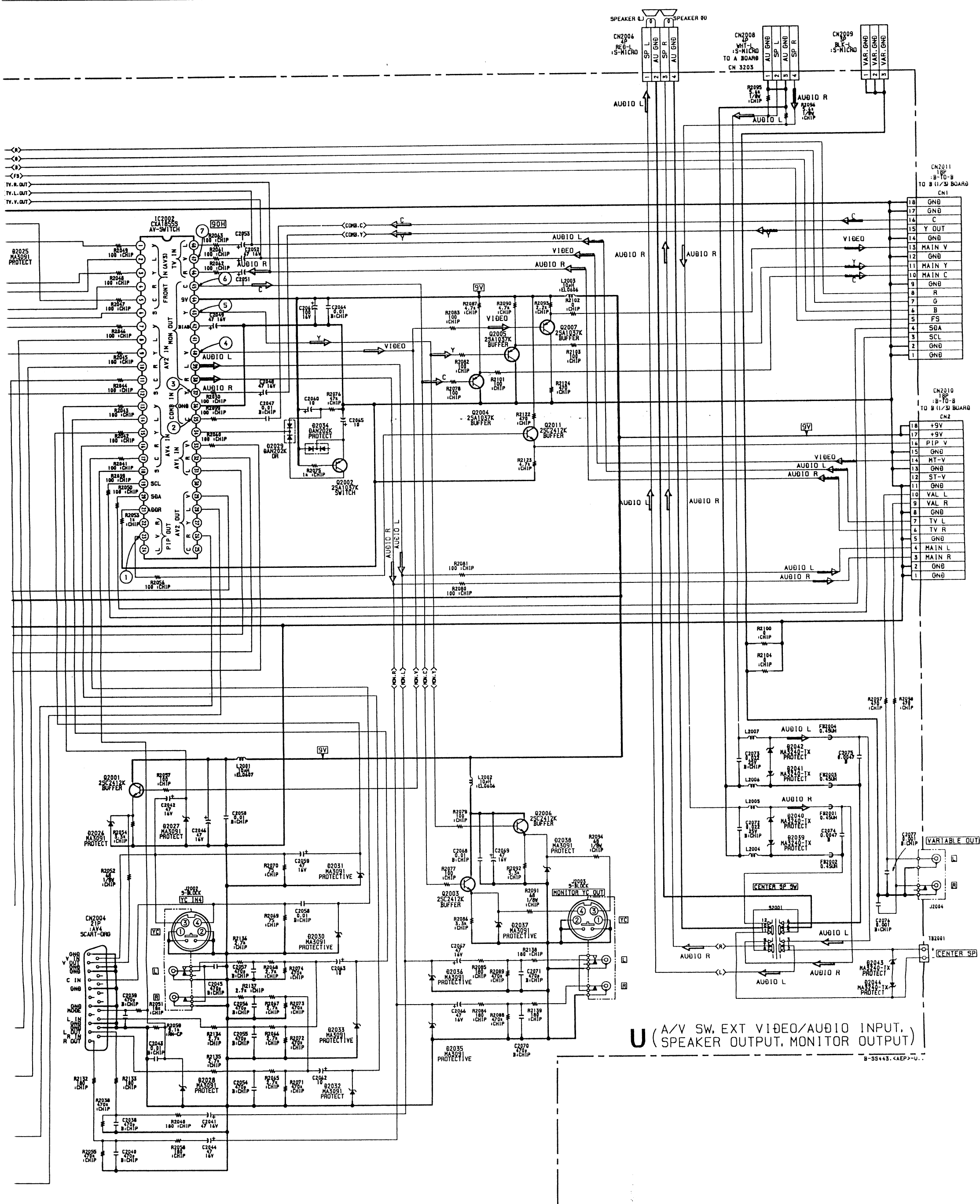
U BOARD : IC2002 CXA1855S



• U BOARD WAVEFORMS







U (A/V SW, EXT VIDEO/AUDIO INPUT, SPEAKER OUTPUT, MONITOR OUTPUT)



B-SS+43, <AEP>-U.

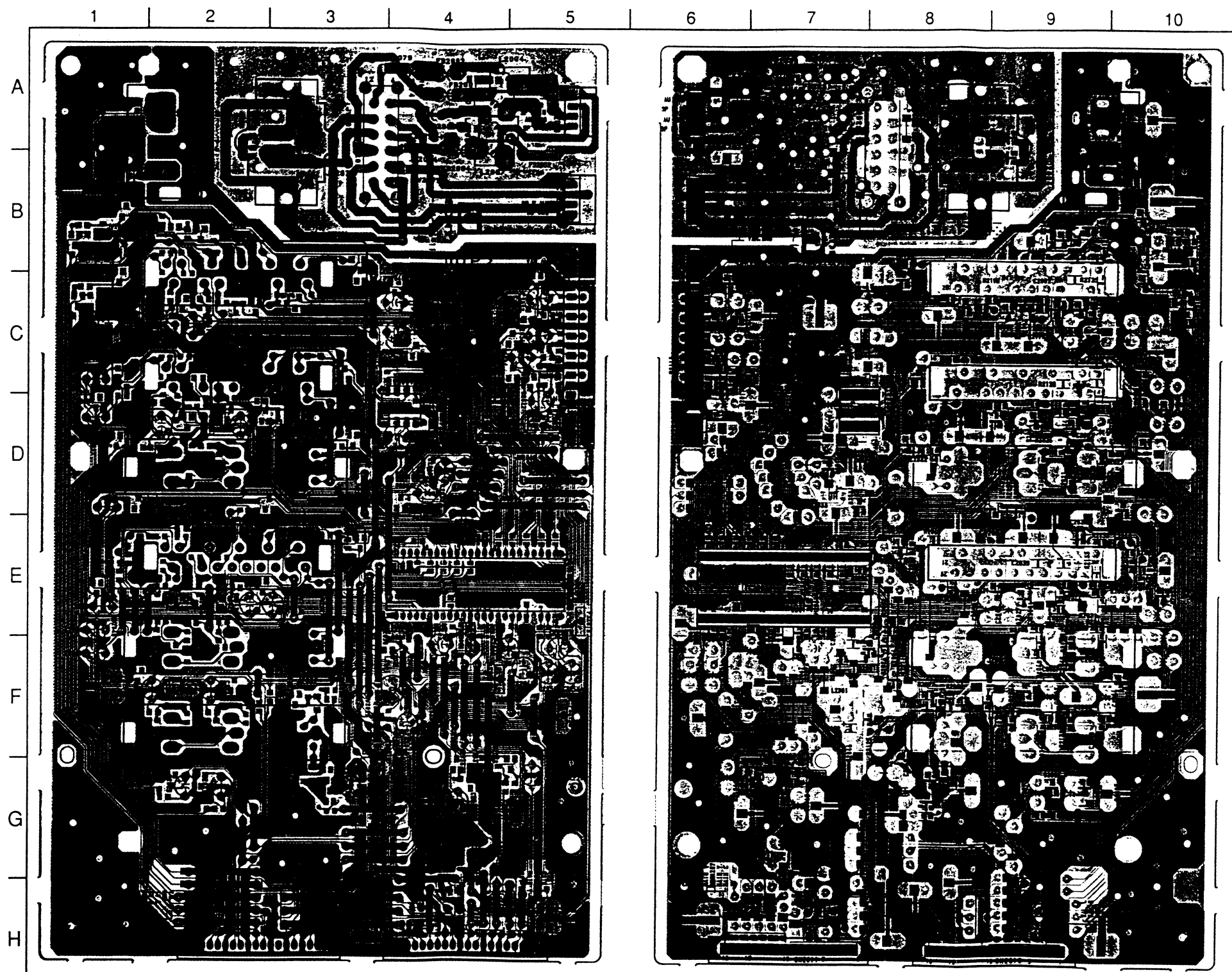


**U** [ A/V SW, EXT VIDEO/AUDIO INPUT,  
SPEAKER OUTPUT, MONITOR OUTPUT ]

- U BOARD -

NOTE:

-  : Pattern from the side which enables seeing.
-  : Pattern of the rear side.



< Component Side >

< Conductor Side >

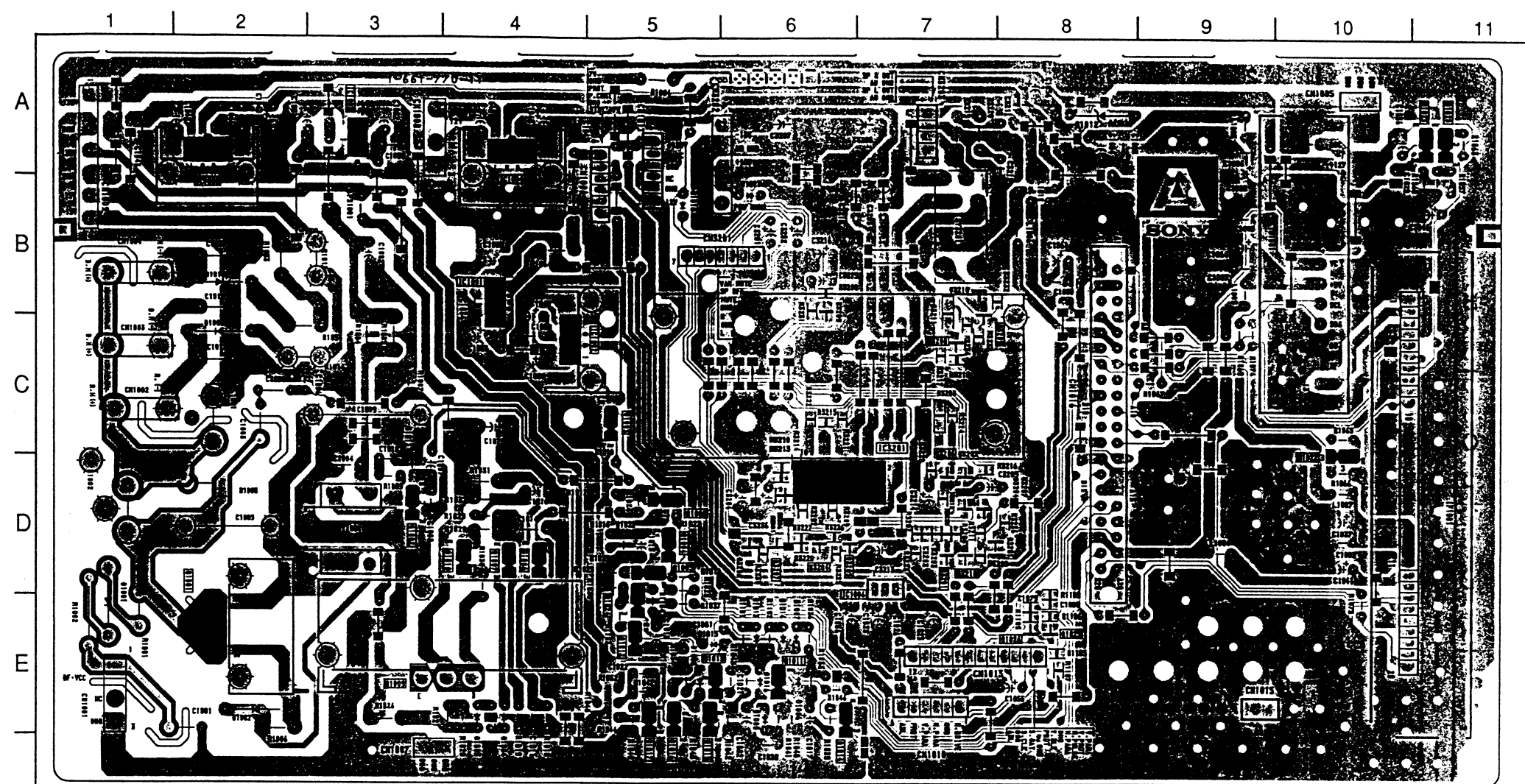
**U BOARD**

DIODE	
D2001	G-9
D2002	C-9
D2003	C-8
D2004	B-10
D2005	B-9
D2006	C-8
D2007	C-10
D2008	C-8
D2009	C-7
D2010	G-9
D2011	C-9
D2012	D-10
D2013	C-8
D2014	D-9
D2015	D-7
D2016	C-6
D2017	C-6
D2018	C-7
D2019	C-6
D2020	D-8
D2021	D-7
D2022	D-9
D2023	D-10
D2024	D-9
D2025	C-7
D2026	F-8
D2027	E-9
D2028	D-9
D2029	E-7
D2030	E-8
D2031	E-9
D2032	D-10
D2033	E-10
D2034	G-7
D2035	F-10
D2036	F-9
D2037	F-3
D2038	G-8
D2039	A-7
D2040	A-7
D2041	A-7
D2042	A-7
D2043	A-9
D2044	B-9
IC	
IC2001	D-7
IC2002	E-7
TRANSISTOR	
Q2001	F-3
Q2002	G-7
Q2003	F-8
Q2004	H-7
Q2005	H-7
Q2006	G-3
Q2007	G-7
Q2008	B-10
Q2009	B-9
Q2010	C-10
Q2011	F-8

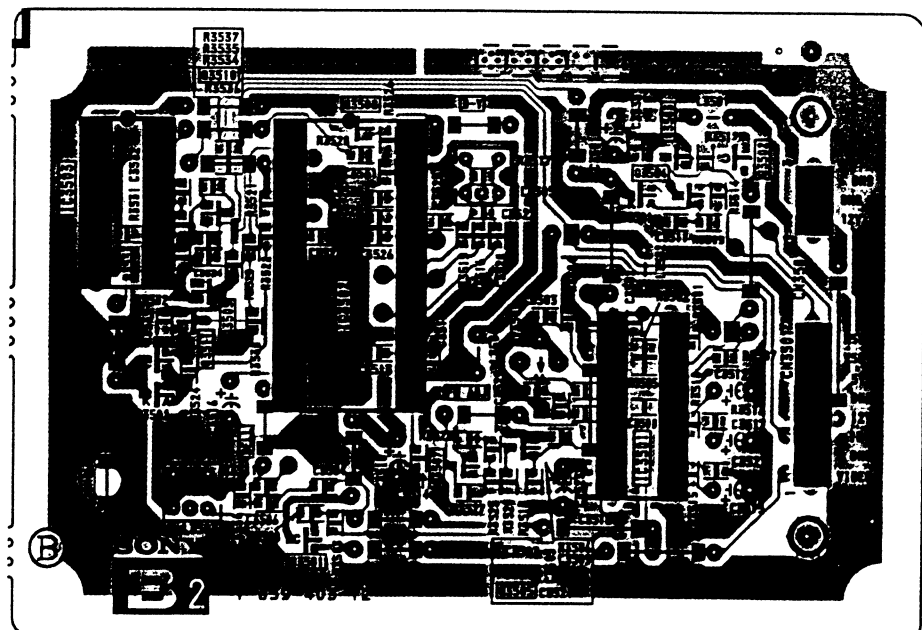
# A BOARD

DIODE	
D1001	E-1
D1002	E-2
D1003	C-2
D1004	E-4
D1005	E-4
D1007	E-6
D1008	E-5
D1009	E-6
D1010	B-2
D1012	A-8
D1014	E-6
D1015	E-5
D1016	E-6
D1017	B-6
D1018	B-5
D3201	D-7
D3202	D-7
D3203	C-7
D3204	D-7
D3206	D-6
D3207	D-7
D3209	B-6
D3210	B-7
D3211	B-7
IC	
IC1001	B-4
IC1002	C-4
IC1003	A-2
IC1004	A-4
IC1005	A-3
IC1006	D-7
IC3201	D-6
TRANSISTOR	
Q1001	E-2
Q1002	D-3
Q1003	C-5
Q1004	D-5
Q1005	D-5
Q1006	D-4
Q1007	D-4
Q1008	D-5
Q1009	E-3
Q1010	D-4
Q1011	E-6
Q1012	E-5
Q1013	E-5
Q1014	E-6
Q1015	E-5
Q1016	E-5
Q1017	E-5
Q1020	A-11
Q1022	C-10
Q1023	A-11
Q1024	E-5
Q1025	E-8
Q1026	E-8
Q3201	D-7
Q3204	D-6
Q3205	D-6
Q3206	D-7
Q3207	D-6
Q3208	C-7
Q3209	B-7
Q3210	D-7

**A** [TUNER, H OUT,  
AUDIO AMP]  
- A BOARD -



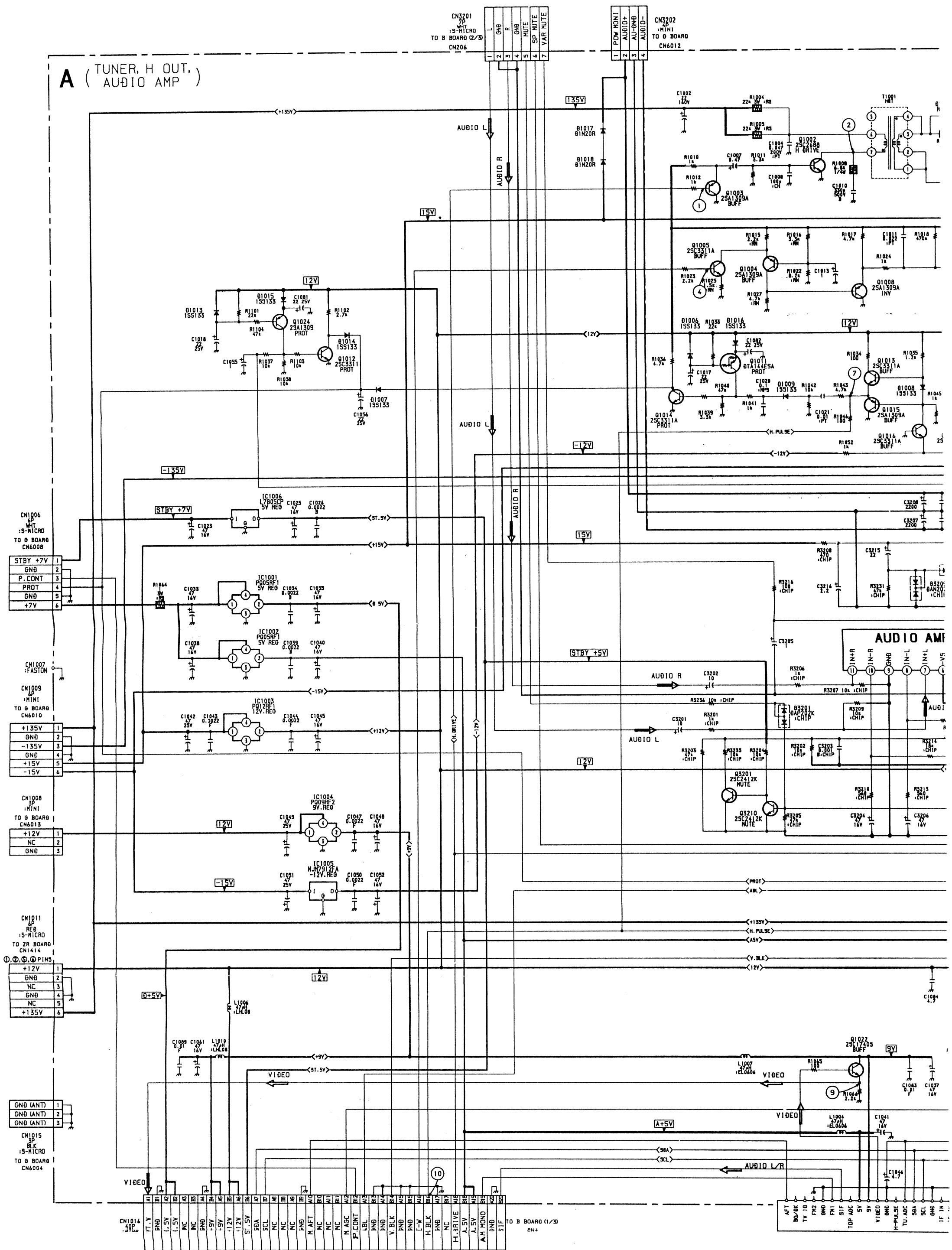
**B2** [SECAM] (French only)  
- B2 BOARD -

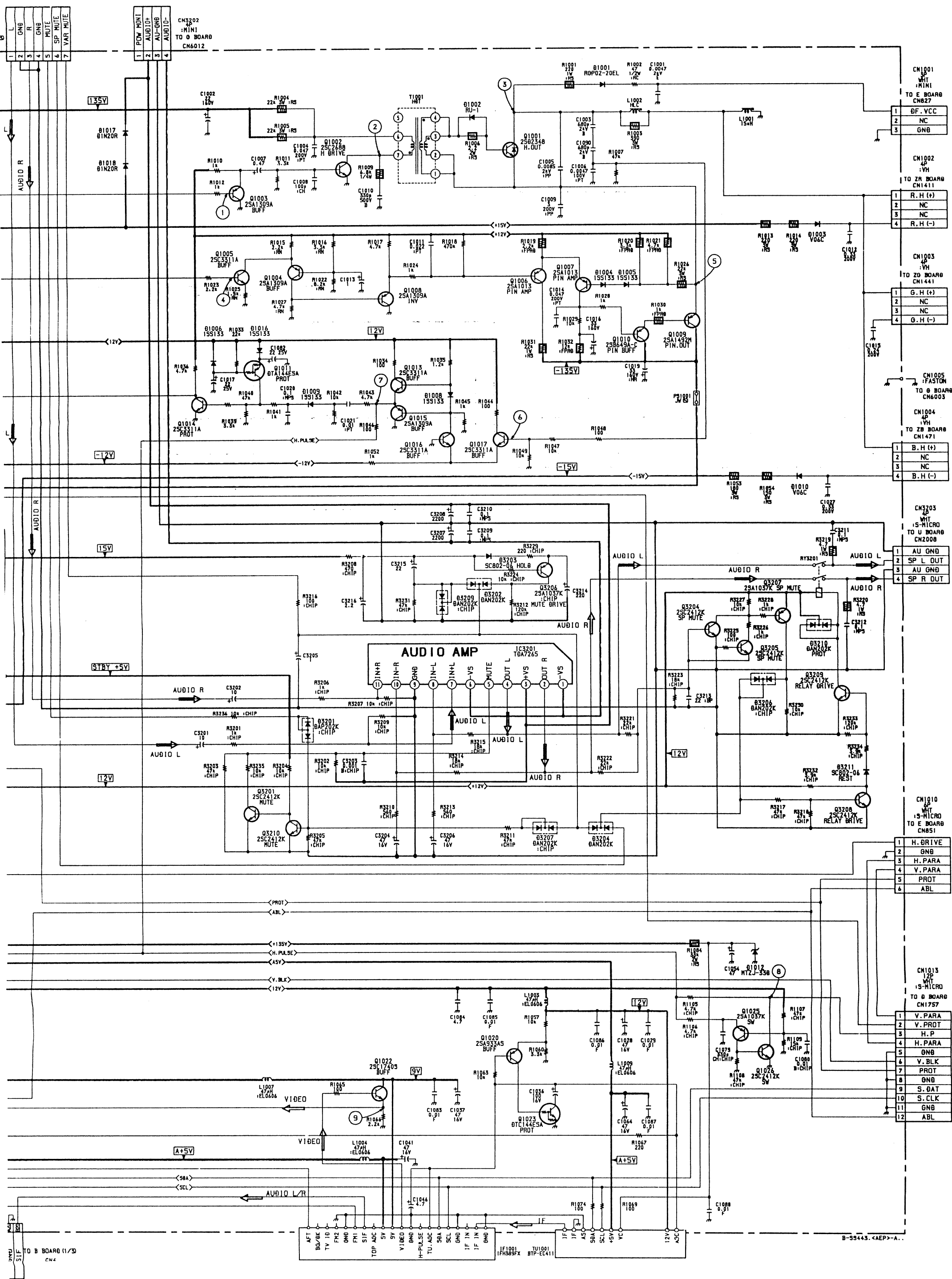


Schematic diagrams  
A B2 board →



# A (TUNER, H OUT, AUDIO AMP)

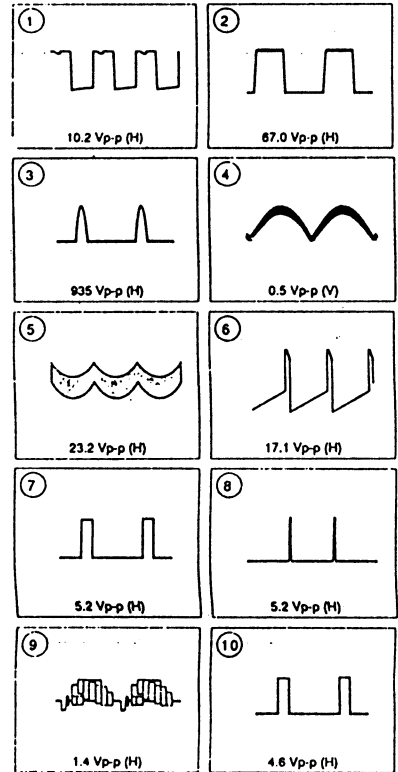




A BOARD IC VOLTAGE LIST				
IC1001	1	6.2		
	2	5.3		
	3	GND		
	4	6.2		
IC1002	1	6.2		
	2	5.3		
	3	GND		
	4	6.2		
IC1003	1	13.6		
	2	12.8		
	3	GND		
	4	13.6		
IC1004	1	13.8		
	2	9.5		
	3	GND		
	4	13.8		
IC1005	1	-15.0		
	2	GND		
	3	-12.8		
	4	8.3		
IC1006	1	GND		
	2	GND		
	3	5.3		
IC3201	1	-23.2		
	2	0		
	3	23.3		
	4	0		
	5	14.1		
	6	-23.2		
	7	0		
	8	0		
	9	GND		
	10	0		
	11	0		

All voltages are in V.

#### • A BOARD WAVEFORMS



VIDEO	1
GND	2
10	3
12V	4
GND	5
5V	6
/SECAM	7
H50	8

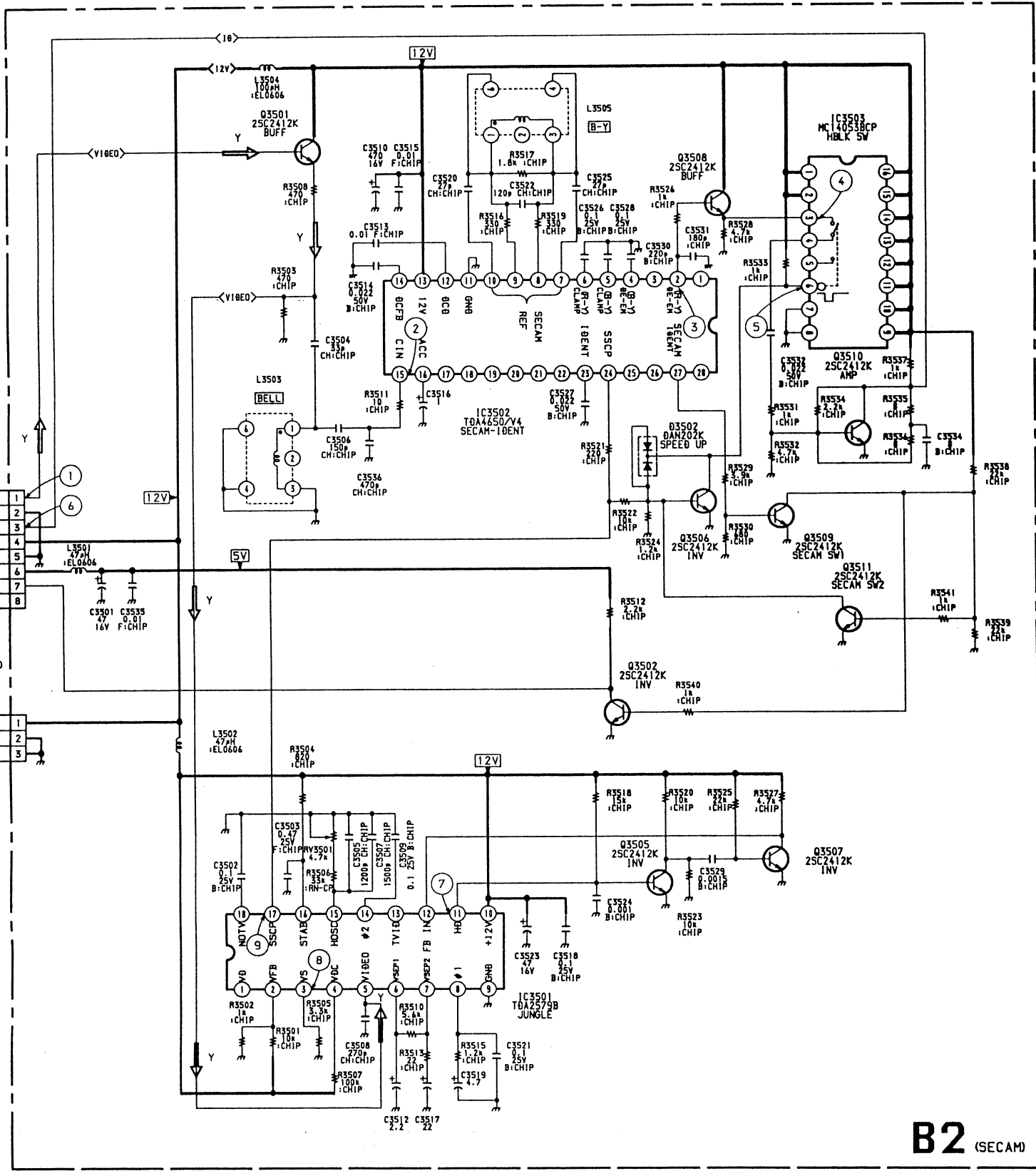
CN3501  
:S-MICRO  
TO B BOARD  
CN5

12V	1
GND	2
GND	3

CN3502  
:S-MICRO

A BOARD TRANSISTOR VOLTAGE LIST				
Q1001	-120.0	0.3	-119.7	
Q1002	-3.8	36.5	GND	
Q1003	4.3	GND	3.8	
Q1004	9.2	1.9	9.8	
Q1005	2.2	9.8	1.6	
Q1006	2.6	-71.6	3.2	
Q1007	2.7	-71.6	3.2	
Q1008	1.9	GND	2.6	
Q1009	-120.0	-142.1	-119.7	
Q1010	-116.6	-142.1	-120.9	
Q1011	12.8	0.9	12.7	
Q1012	0.8	0.2	GND	
Q1013	1.8	12.7	1.5	
Q1014	0.8	0.2	GND	
Q1015	1.0	GND	1.5	
Q1016	GND	1.0	1.0	
Q1017	-2.3	12.5	1.0	
Q1019	8.9	2.1	9.3	
Q1020	3.3	0	3.2	
Q1021	3.3	GND	4.0	
Q1022	4.9	9.3	4.3	
Q1023	0	2.8	GND	
Q1024	12.7	2.2	12.6	
Q1025	1.2	0.3	1.2	
Q1028	0.3	0.6	GND	
Q3201	0.8	0	GND	
Q3204	0	12.8	0	
Q3205	0	12.8	0	
Q3206	15.2	0	15.3	
Q3207	12.8	0	12.8	
Q3208	0	7.0	0	
Q3209	0.9	0.2	0	
Q3210	0	0.8	GND	

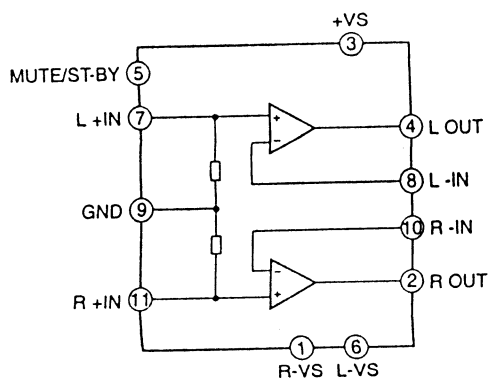
All voltages are in V.



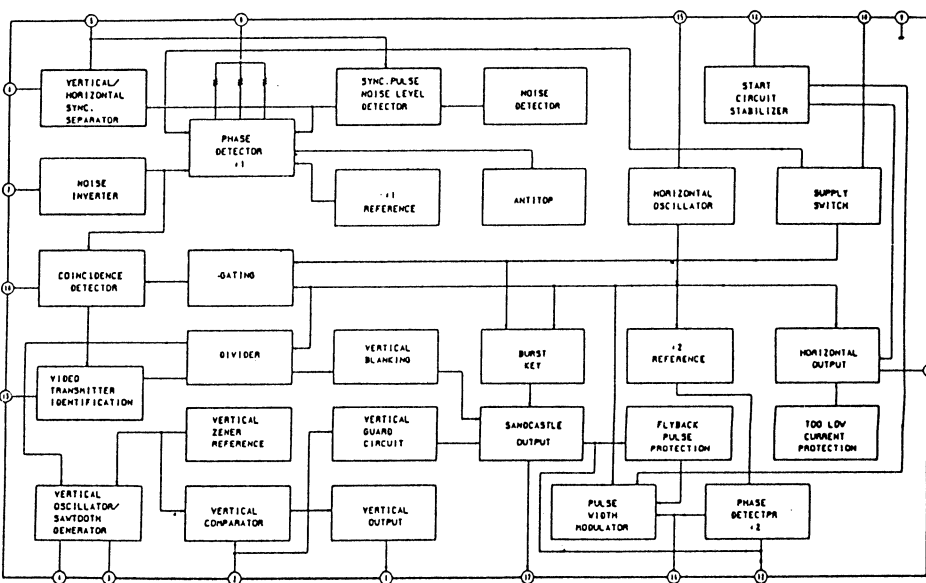
B2 BOARD IC VOLTAGE LIST				
IC3501	2	1.1		
	3	0.3		
	4	11.1		
	5	2.2		
	6	7.6		
	7	6.6		
	8	2.8		
	9	GND		
	10	11.6		
	11	0.3		
	12	1.2		
	14	2.5		
	15	4.4		
	16	9.1		
	17	1.6		
	18	6.2		
IC3502	2	7.0		
	4	7.0		
	5	9.7		
	6	9.9		
	7	3.4		
	8	2.9		
	9	2.9		
	10	3.4		
	11	GND		
	12	2.4		
	13	11.6		
	14	5.8		
	15	3.4		
	16	7.9		
	23	7.5		
	24	1.5		
	27	5.7		
IC3503	1	11.6		
	2	11.6		
	3	6.4		
	4	6.4		
	5	10.8		
	6	GND		
	7	GND		
	8	11.6		
	9	11.6		
	10	11.6		
	11	11.6		
	12	11.6		
	13	11.6		
	14	11.6		
	15	11.6		
	16	11.6		

All voltages are in V.  
n numbers which are not described are not used.

#### A BOARD : IC3201 TDA7265



#### B2 BOARD : IC3501 TDA2579B

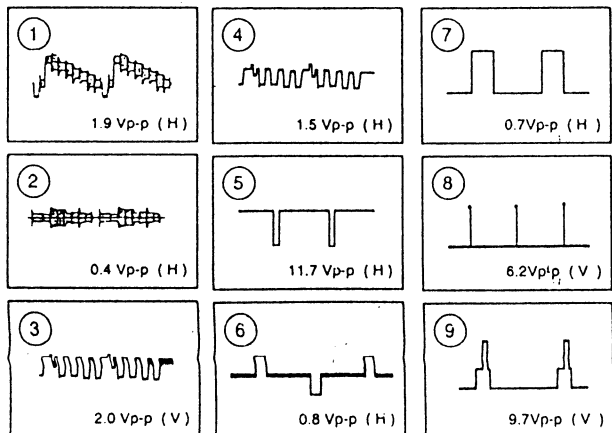


#### B2 BOARD TRANSISTOR VOLTAGE LIST

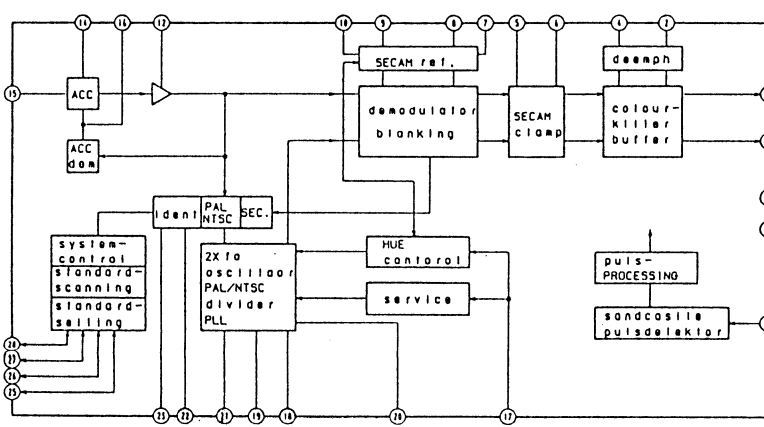
	B	C	E
Q3501	5.1	11.6	4.4
Q3502	0.1	4.7	GND
Q3505	0.3	2.8	GND
Q3506	0.2	10.8	GND
Q3507	0.2	1.1	GND
Q3508	7.1	11.6	6.4
Q3509	0.7	0.1	GND
Q3510	6.8	1.2	0.1
Q3511	0.1	0.2	GND

All voltages are in V.

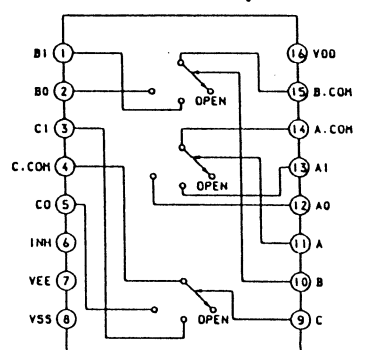
#### • B2 BOARD WAVEFORMS

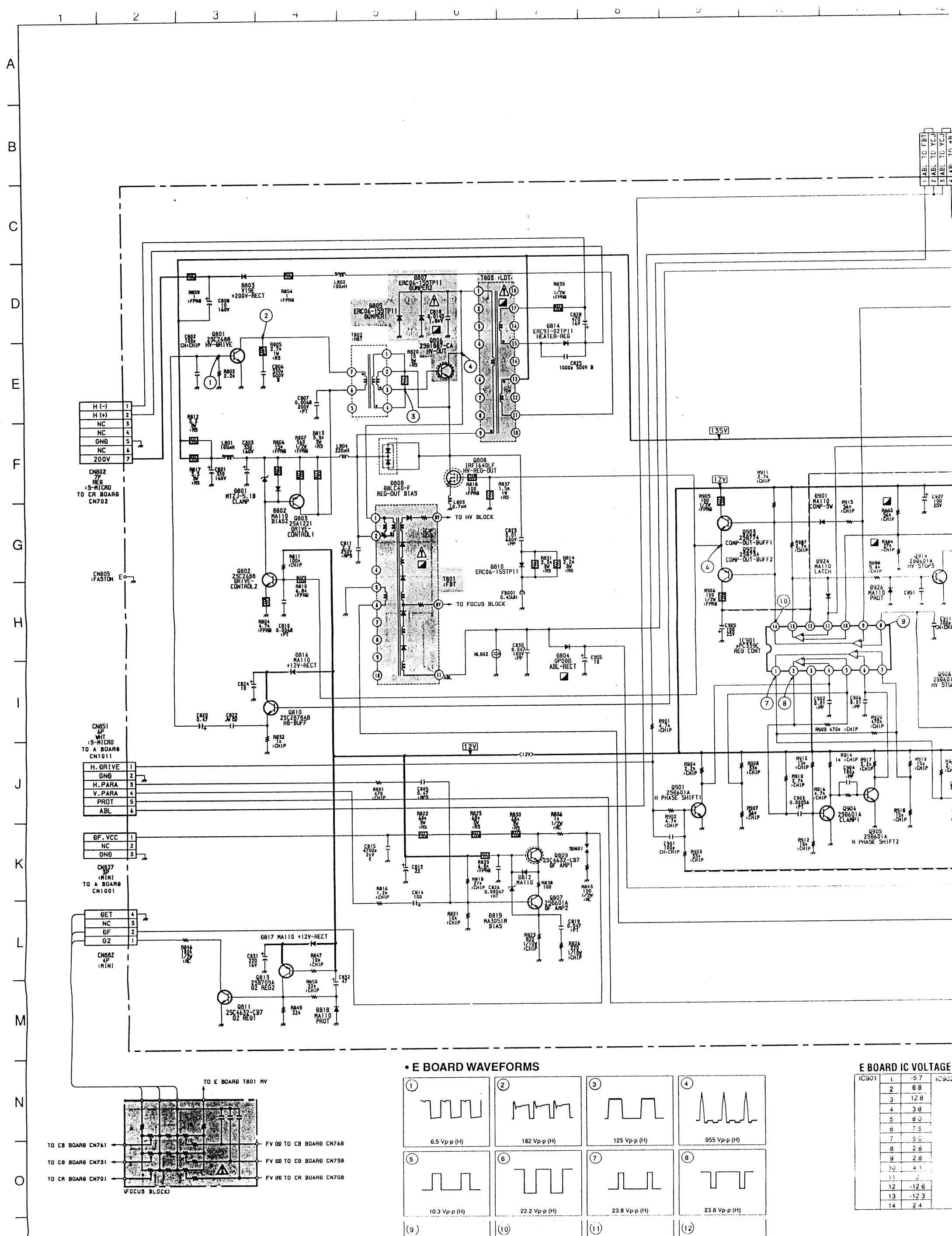


#### B2 BOARD : IC3502 TDA4650/V4

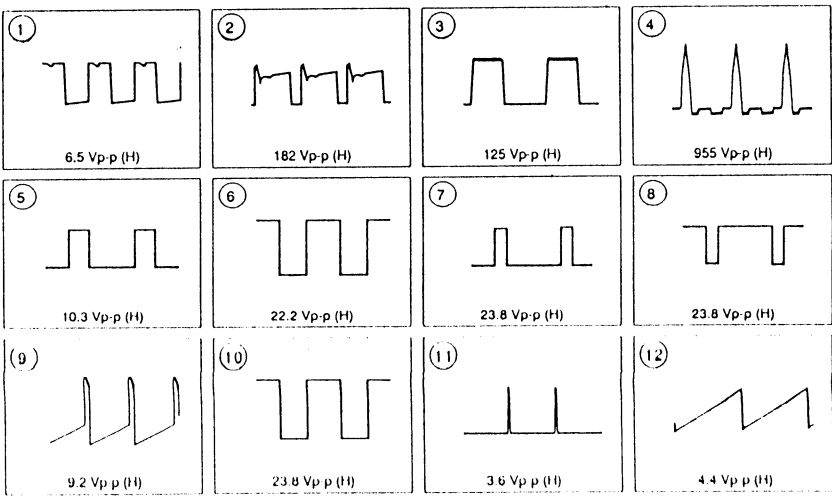


#### B2 BOARD : IC3503 μPD4053BC





• E BOARD WAVEFORMS

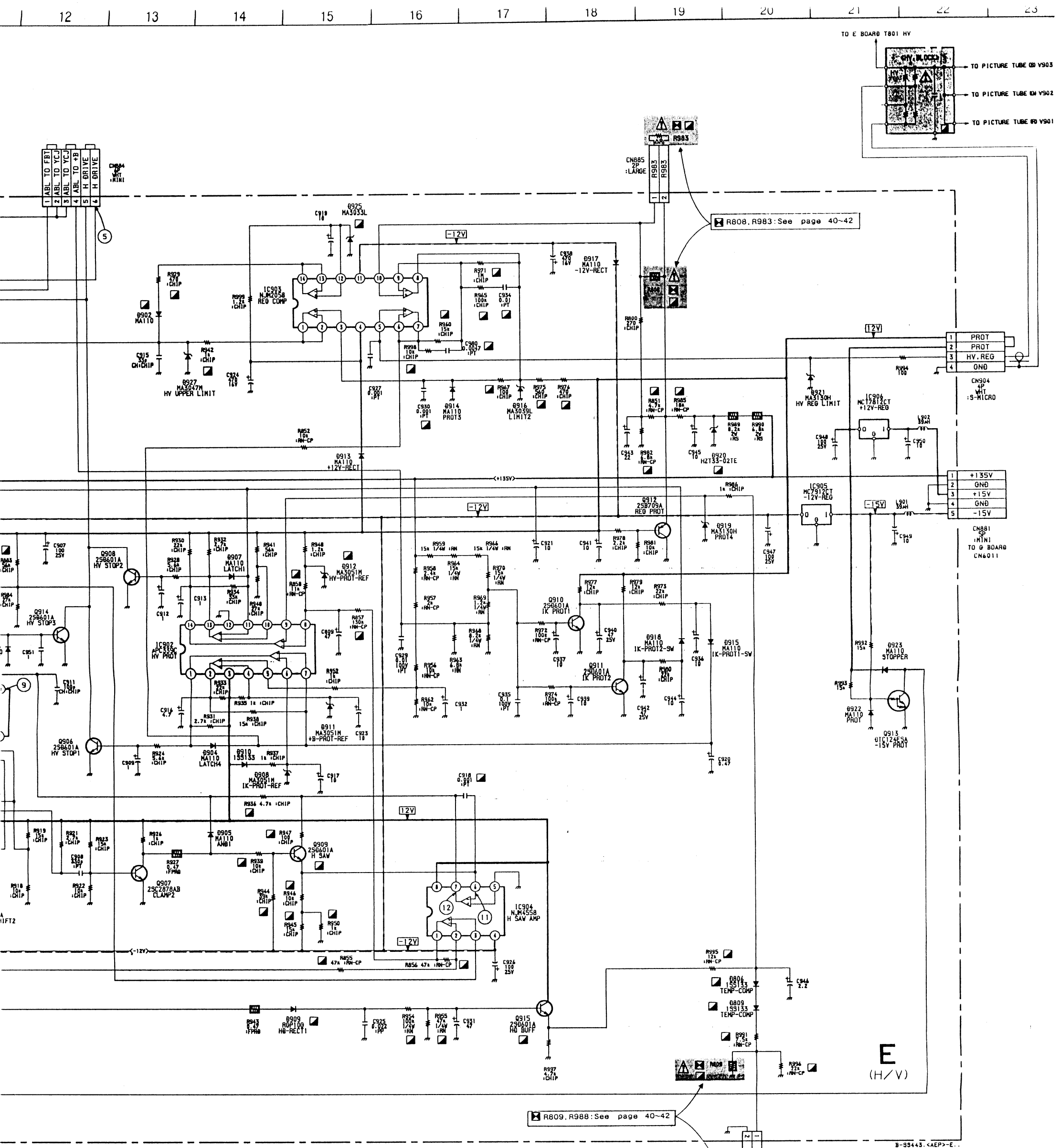


E BOARD IC VOLTAGE I

IC901	1	-5.7	IC902
	2	6.8	
	3	12.8	
	4	3.8	
	5	8.0	
	6	7.5	
	7	9.0	
	8	2.8	
	9	2.8	
	10	4.1	
	11	3	
	12	-12.6	
	13	-12.3	
	14	2.4	

Schematic diagrams

← A B2 board E board →



# IC VOLTAGE LIST

IC	Pin	Voltage (V)	IC	Pin	Voltage (V)	IC	Pin	Voltage (V)	IC	Pin	Voltage (V)
IC902	1	-5.7	IC903	1	0.2	IC904	1	3.1	IC905	1	3.1
	2	6.8		2	0		2	4.1		2	4.1
	3	12.8		3	12.7		3	4.1		3	4.1
	4	3.8		4	5.4		4	-12.5		4	-12.5
	5	8.0		5	5.0		5	GND		5	GND
	6	7.5		6	5.4		6	0.2		6	0.2
	7	5.0		7	4.8		7	2.3		7	2.3
	8	2.8		8	5.2		8	12.7		8	12.7
	9	2.8		9	5.0		9	-15.0		9	-15.0
	10	4.1		10	4.2		10	GND		10	GND
	11	0		11	0		11	-12.6		11	-12.6
	12	-12.6		12	GND		12	15.0		12	15.0
	13	-12.3		13	0.2		13	GND		13	GND
	14	2.4		14	0		14	12.8		14	12.8

All voltages are in V.

# E BOARD TRANSISTOR VOLTAGE LIST

Transistor	B	C	E	Q905	0.2	7.5	GND
Q801	-3.0	94.3	GND	Q906	0.2	4.2	GND
Q802	2.9	136.9	2.5	Q907	0.5	0.7	GND
Q803	136.9	94.6	137.5	Q908	0.2	4.2	GND
Q806	52.4	141.4	52.4	Q909	-2.2	2.3	0.2
Q807	2.2	5.3	1.6	Q910	0.7	0	GND
Q809	6.1	365.0	5.6	Q911	0.7	0	GND
Q810	4.2	12.0	-5.9	Q912	10.4	GND	11.1
Q811	0	722.0	GND	Q913	-0.5	0	GND
Q813	12.7	0	12.7	Q914	-0.6	4.2	GND
Q901	-0.8	3.8	GND	Q915	8.8	12.8	8.1
Q902	2.4	-12.1	2.3	S	G	D	
Q903	2.3	12.1	2.3	Q808	0	2.3	52.4
Q904	0.5	0.9	GND				

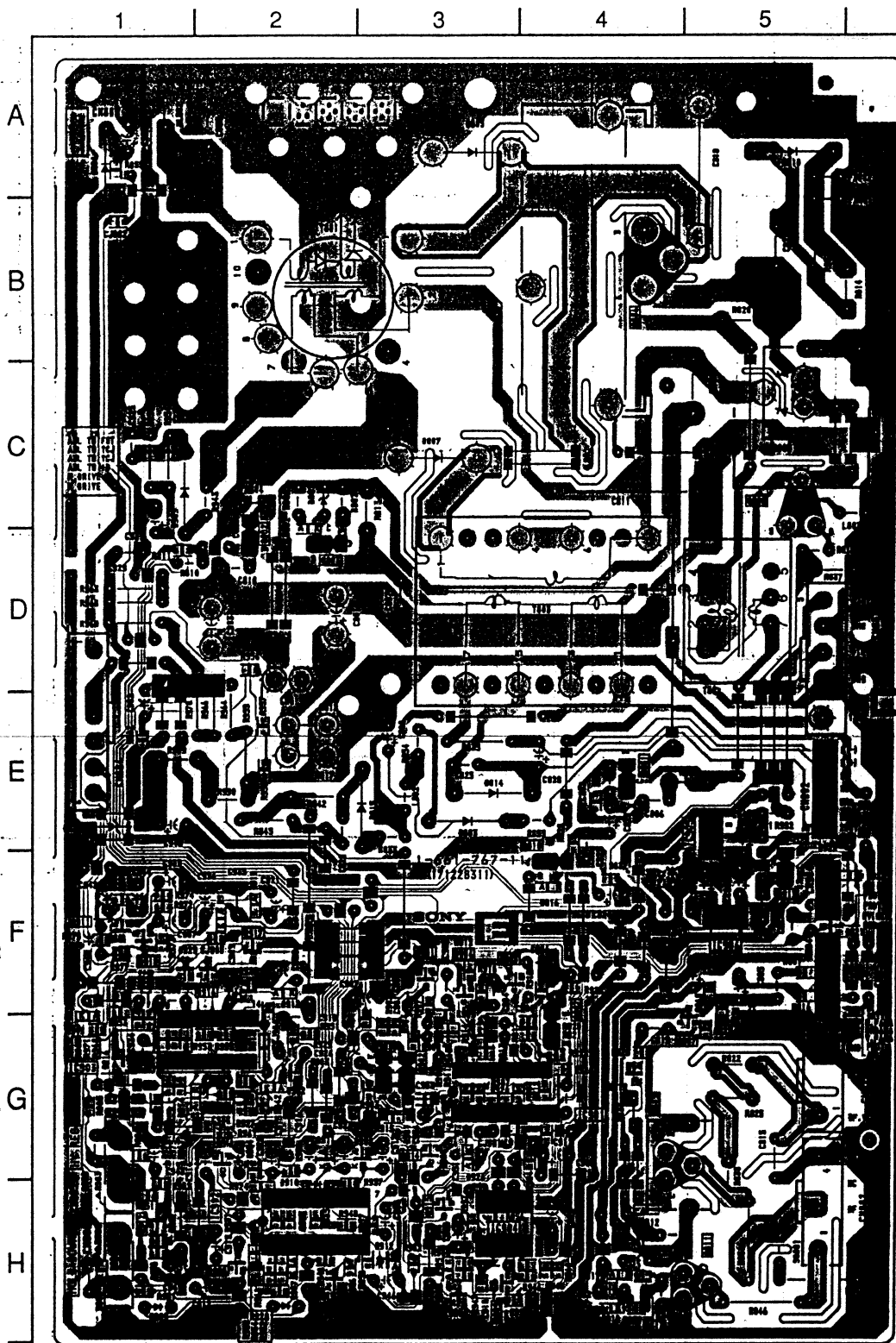
All voltages are in V.



**E**

[H/V]

- E BOARD -

**E BOARD****DIODE**

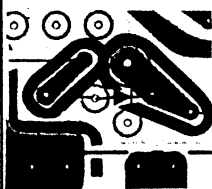
D801	C-2
D802	C-2
D803	E-3
D804	A-1
D805	A-3
D806	H-2
D807	C-3
D808	C-5
D809	H-1
D810	A-5
D812	H-4
D814	E-3
D816	F-4
D817	H-4
D818	H-4
D819	G-4
D901	G-3
D902	G-2
D904	H-2
D905	H-3
D907	H-2
D908	G-3
D909	C-1
D910	H-2
D911	G-2
D912	H-3
D913	G-2
D914	G-2
D915	F-2
D916	G-1
D917	F-2
D918	F-2
D919	F-2
D920	E-1
D921	F-5
D922	E-5
D923	F-6
D924	G-3
D925	F-2
D926	G-3
D927	G-2

**IC**

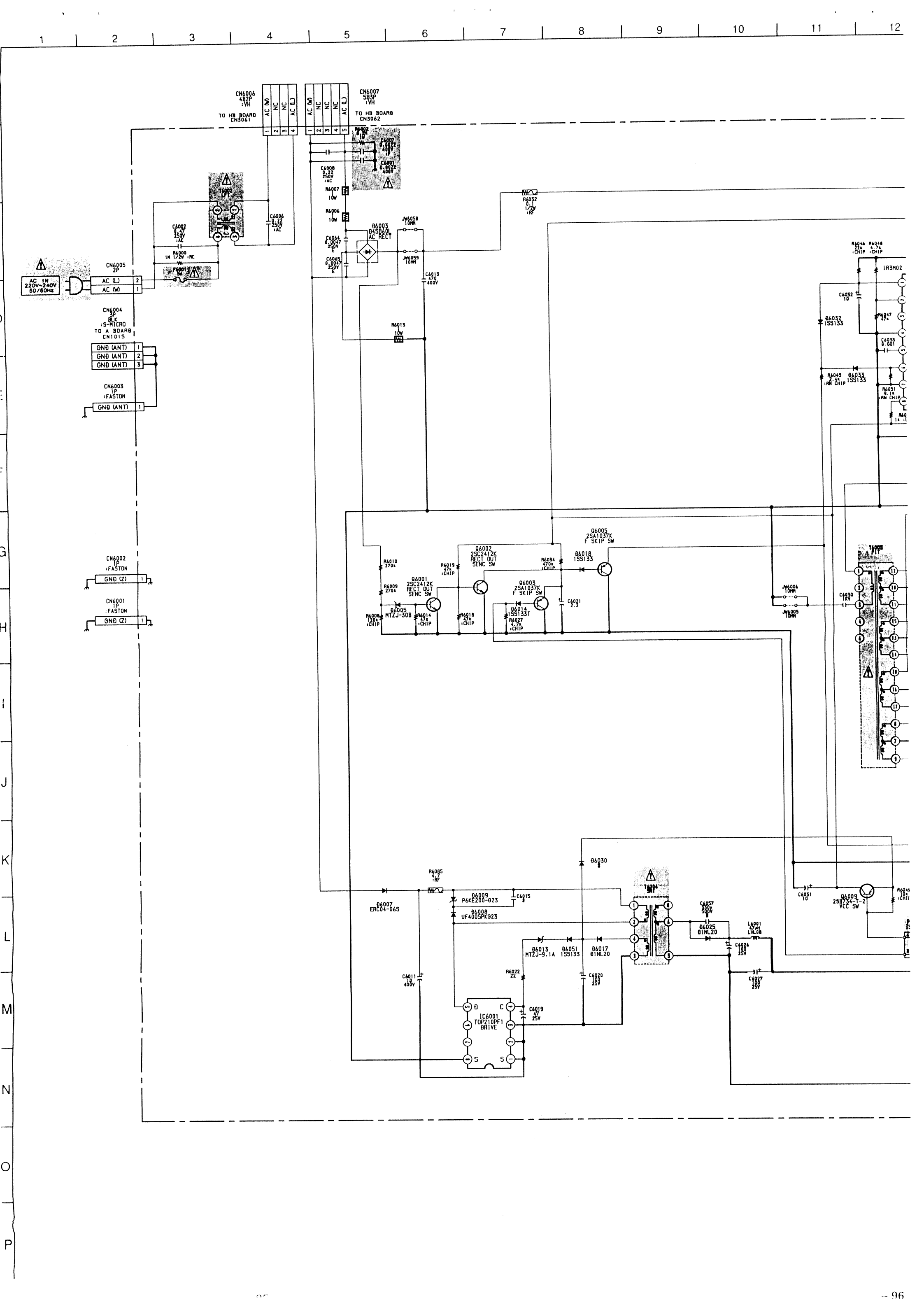
IC901	G-3
IC902	H-2
IC903	G-2
IC904	H-3
IC905	E-5
IC906	F-5

**TRANSISTOR**

Q801	E-4
Q802	D-2
Q803	D-2
Q806	B-4
Q807	F-5
Q808	C-5
Q809	G-4
Q810	F-4
Q811	H-5
Q813	H-4
Q901	F-3
Q902	G-3
Q903	G-3
Q904	F-3
Q905	F-3
Q906	G-2
Q907	G-4
Q908	H-2
Q909	H-3
Q910	F-1
Q911	F-1
Q912	H-1
Q913	F-5
Q914	G-3
Q915	H-3

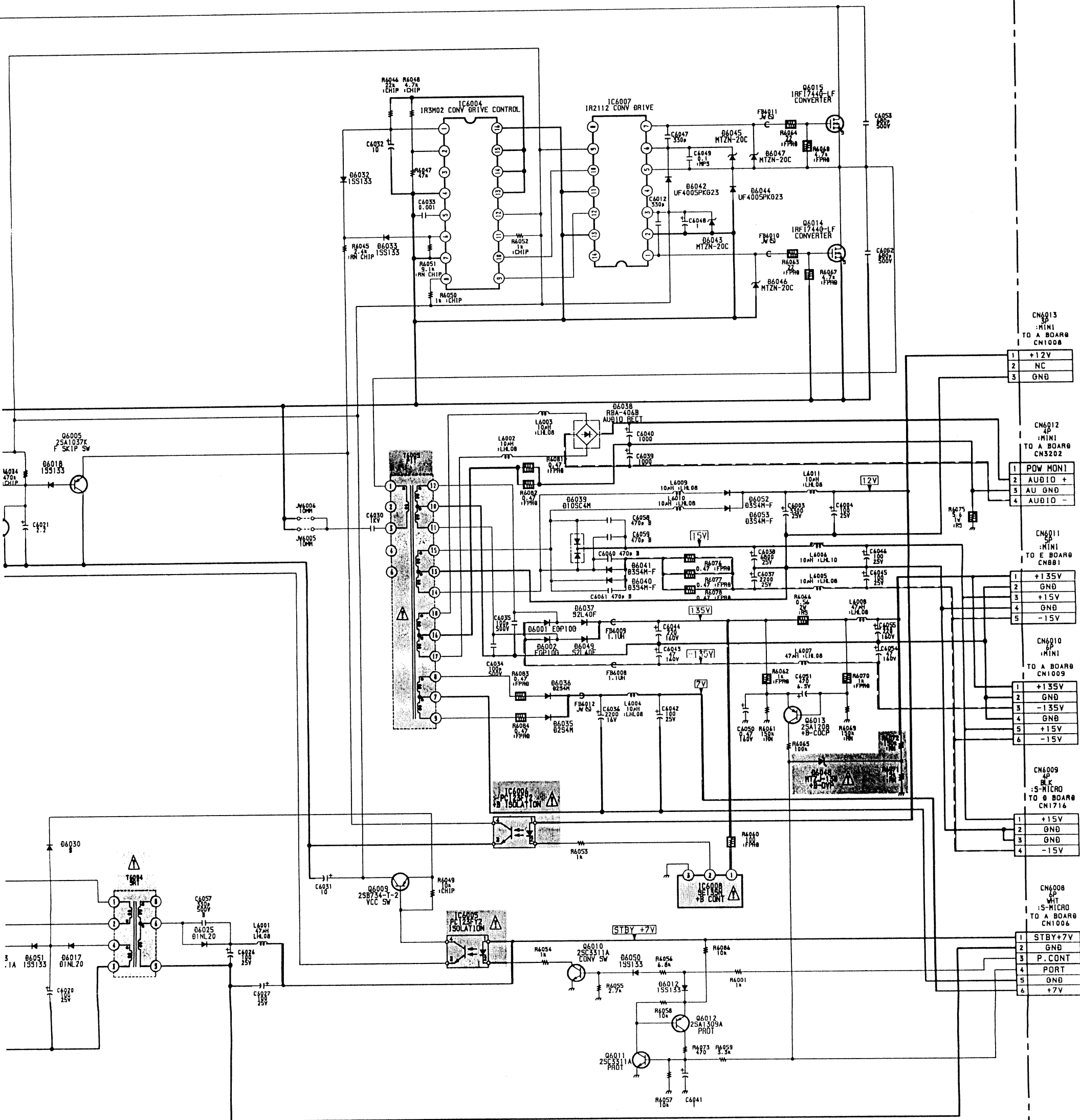
**NOTE:**

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.



**G**

(POWER SUPPLY)





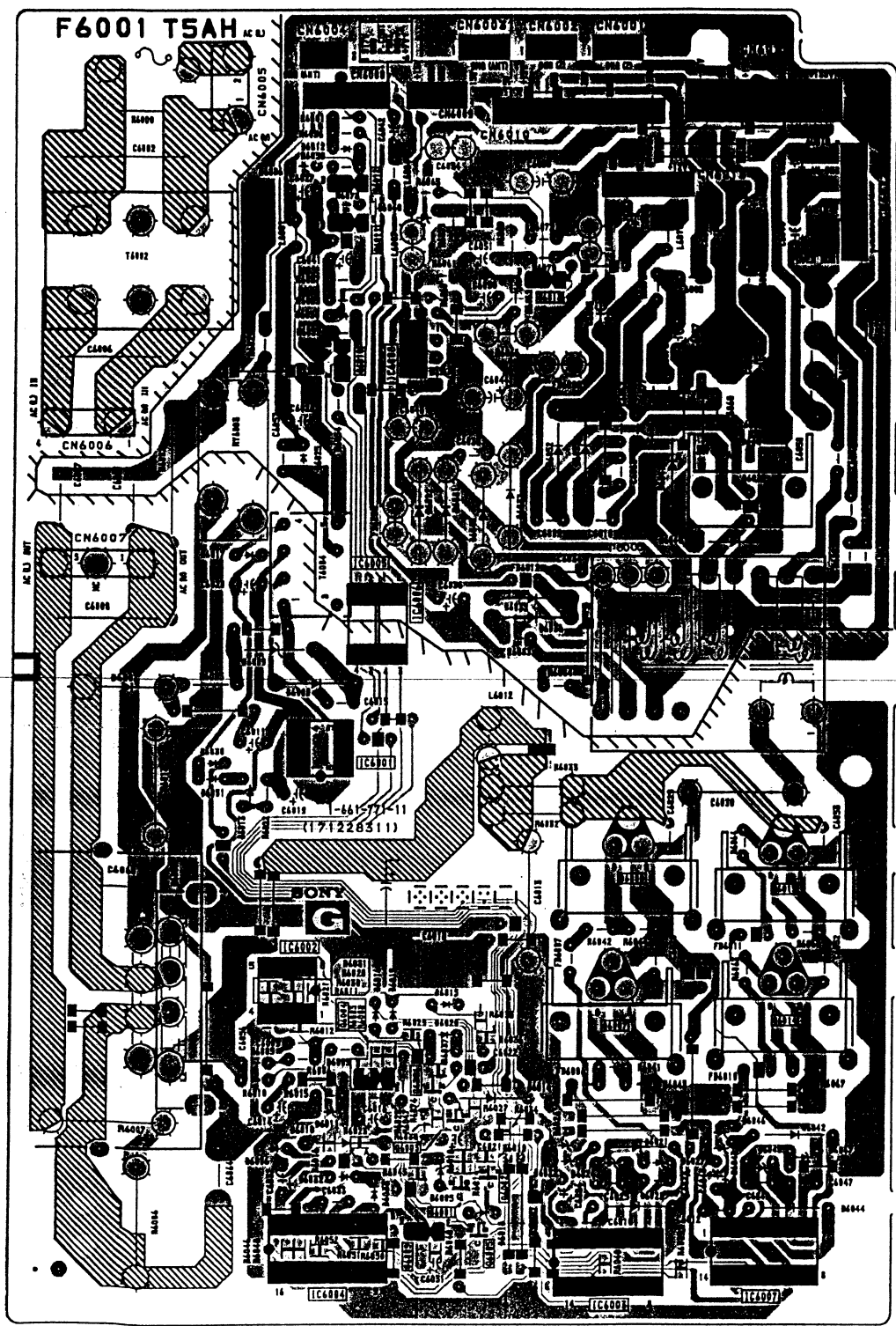
**G**

[POWER SUPPLY]

- G BOARD -

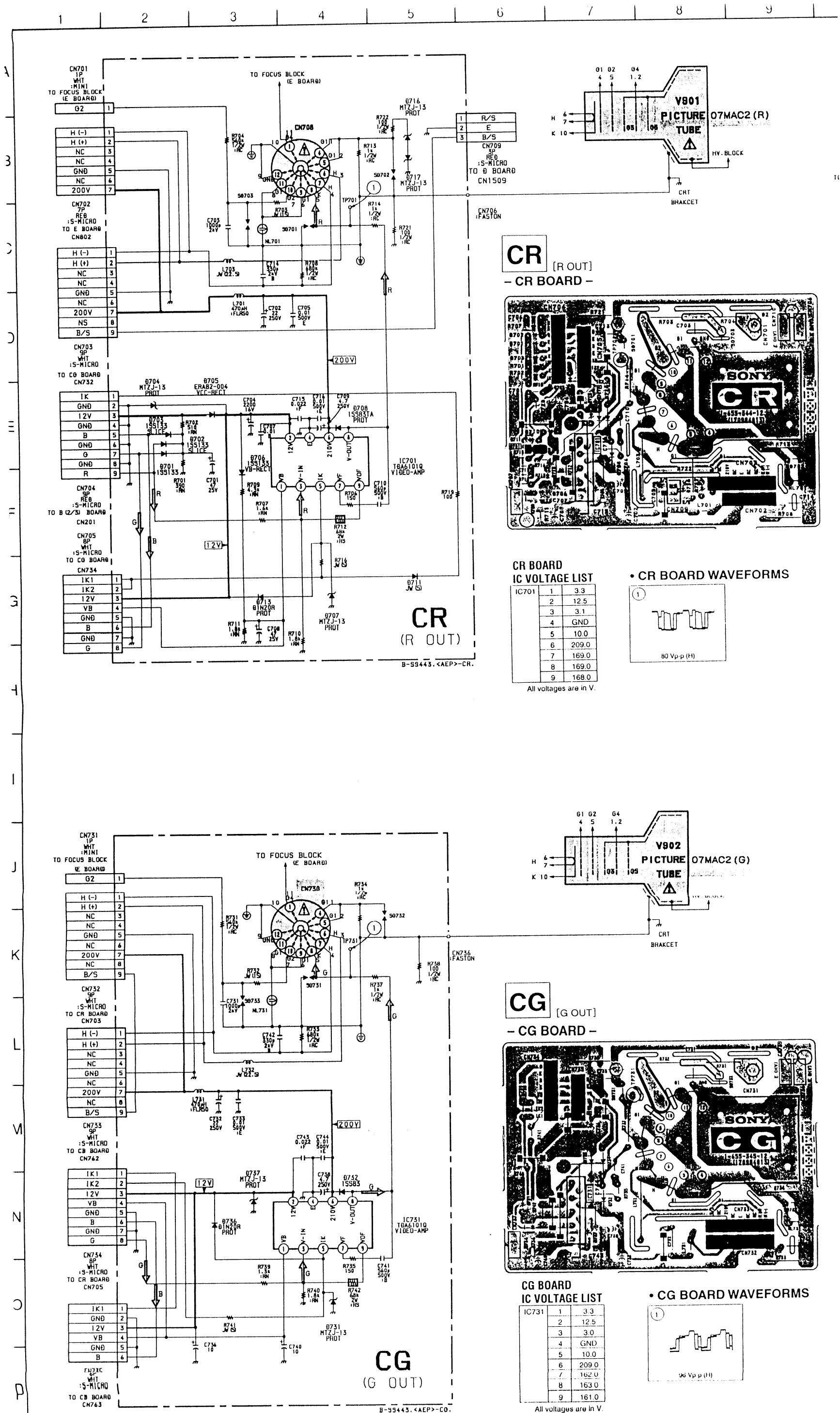
1 2 3 4 5 6

A  
B  
C  
D  
E  
F  
G  
H



**G BOARD**

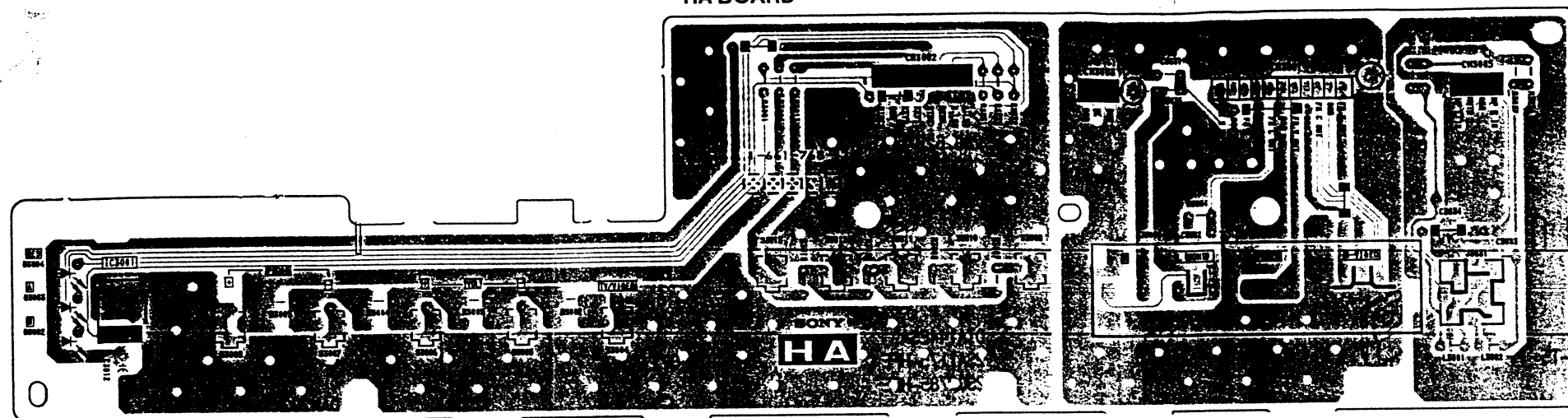
DIODE	
D6001	D-3
D6002	D-3
D6003	F-2
D6005	H-3
D6007	E-1
D6008	E-2
D6009	D-2
D6012	A-3
D6013	E-2
D6014	G-3
D6017	D-2
D6018	H-3
D6025	C-2
D6032	H-3
D6033	H-3
D6035	D-4
D6036	D-4
D6037	D-4
D6038	C-5
D6039	C-5
D6040	D-5
D6041	C-5
D6042	G-5
D6043	G-5
D6045	H-5
D6046	G-5
D6047	H-5
D6048	B-3
D6049	D-3
D6050	C-3
D6051	E-2
D6052	C-4
D6053	C-4
I C	
IC6001	E-2
IC6004	H-3
IC6005	D-3
IC6006	D-3
IC6007	H-5
IC6008	
TRANSISTOR	
Q6001	H-3
Q6002	H-3
Q6003	G-3
Q6005	H-3
Q6009	H-3
Q6010	C-3
Q6011	B-3
Q6012	B-3
Q6013	B-4
Q6014	F-5
Q6015	F-5



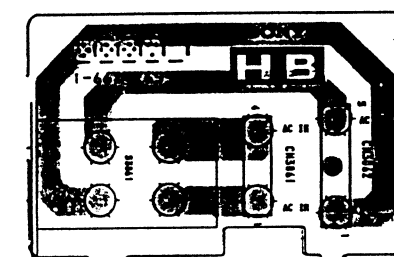




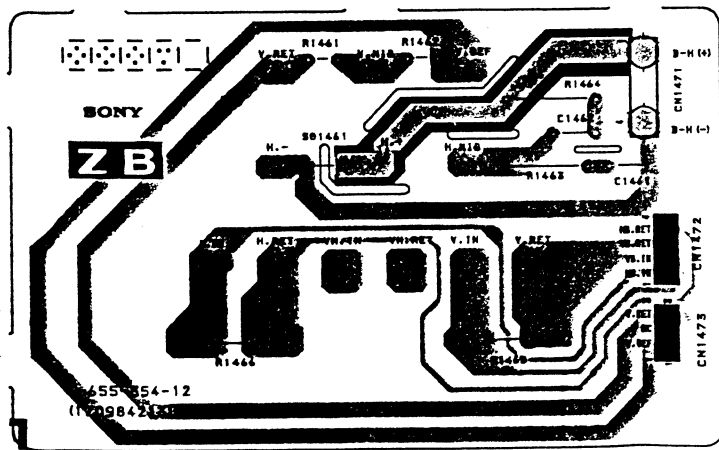
**HA** [VIDEO 3 INPUT, HP OUT,  
SIRCS, FUNCTION SW]  
- HA BOARD -



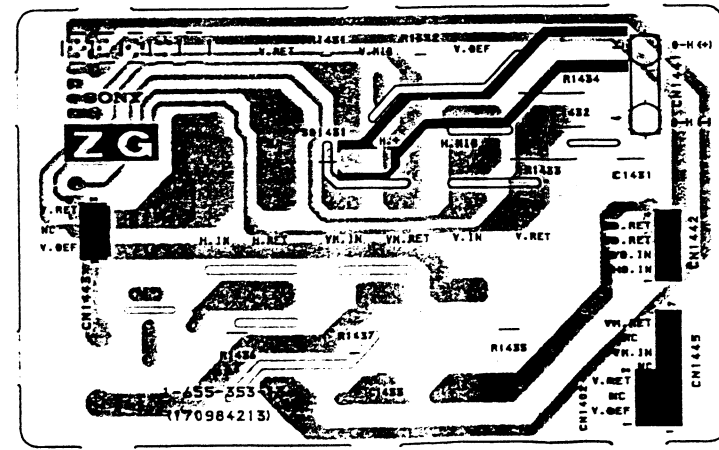
**HB** [POWER SW]  
- HB BOARD -



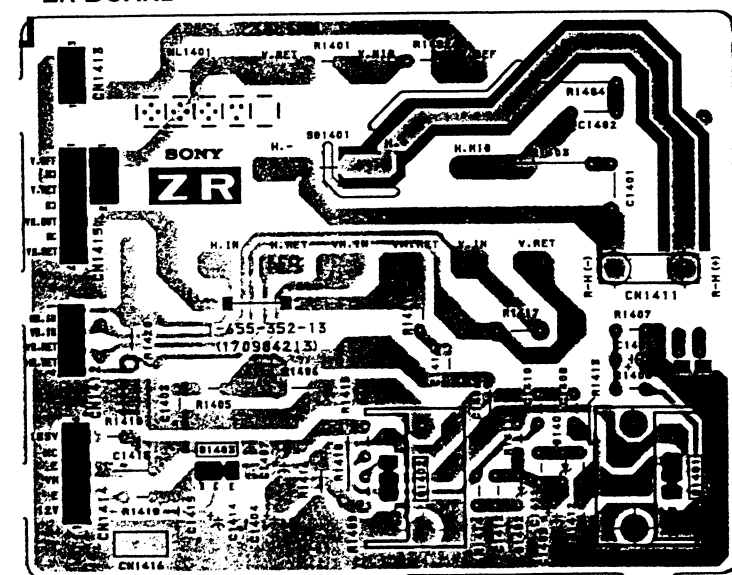
**ZB** [DY]  
- ZB BOARD -



**ZG** [DY/VM]  
- ZG BOARD -

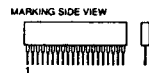


**ZR** [DY/VM]  
- ZR BOARD -



## 6-5. SEMICONDUCTORS

CX20125



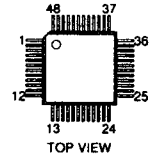
8pin SIP

CXA1855S

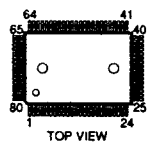


48pin DIP

CXD2018Q



CXD2024AQ

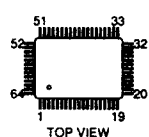


CXP85112B-613S

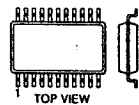


64pin DIP

CXP85460-0320

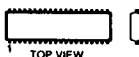


HD140538FP  
MC74HC163AF  
MC74HC4053F  
TDA4665T-T



16pin SOP

IR2112  
NJM2058D  
UPC339C



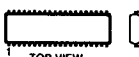
14pin DIP

IR3M02A  
UPD4053BC



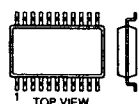
16pin DIP

LA7856A  
PA0053B  
TDA2579B



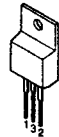
18pin DIP

LM358D  
NJM2234M  
NJM2235M  
NJM2240M  
ST24C16CM1-TR/A  
TDA2822D



8pin SOP

LM7912CT  
MC7905CT  
NJM7912FA

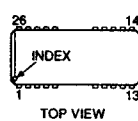


MS218AP  
TEA2114  
TOP210PF1

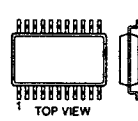


8pin DIP

MB81C1000A-70PJ-T5

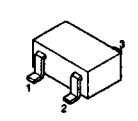


MC14066BF

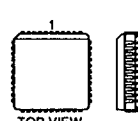


14pin SOP

MN1382S

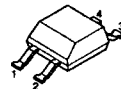


MSP3410  
TPU3040-TC20



44pin QFJ

PC123F2

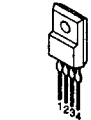


PM0002B

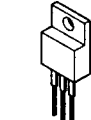


42pin DIP

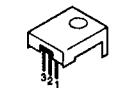
P005RF1  
P012RF1



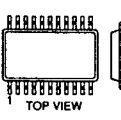
P009RF2  
TA7805S  
TA7812S



SBX1780-51

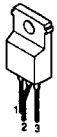


SDA9187-2XGEG  
SDA9188-3XPGEG

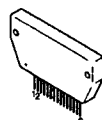


28pin SOP

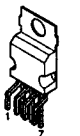
SE-135N



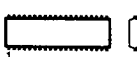
STK392-010



STV9379



TDA4650/V4  
TDA4780/V3



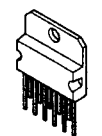
28pin DIP

TDA6101Q/N3

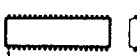


9pin ZIP

TDA7265

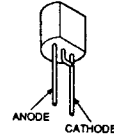


TDA9143  
TDA9160A



32pin DIP

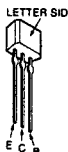
UPC574J



DTA144EKA-T146  
DTC144EKA-T146  
2SA1162-G  
2SC1623-L5L6  
2SD601A-Q



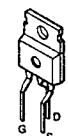
DTA144ESA  
2SA1175-HFE  
2SC2785-HFE



DTC124ESA  
DTC144ESA-TP



1RF1640LF



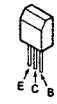
1RF1744G-LF  
2SA1837  
2SC4793



2SA1013-0  
2SA1208



2SA1221-L  
2SB733-34  
2SB734-34  
2SD774-34



2SA1492M-OPY



2SA733-K  
2SC2878-AB



2SB649A  
2SC2688-LK



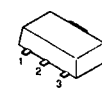
2SC4632LS-CB7  
2SD1887-CA



2SD2348LBSONY



BAS16

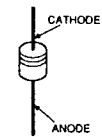


D10SC4M  
D8LC40

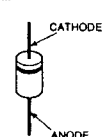


D1N20R

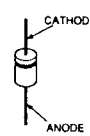
RD13ES-B2  
RD20ES-B1  
RD24ES-B  
RD3.6ES-B1  
RD3.9ES-B2  
RD30ESB2  
RD33ES-B2  
RD39ES-B2  
RD5.1ES-B2  
RD5.6ESB2  
RD9.1ES-B1  
11E0S04  
1SS119-25



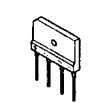
D2S4M



D3S4M-F  
EGP10D  
EPC06-15S  
ERC91-02  
RU-1C  
S2LA20F



D4SB60L  
RBA-406B



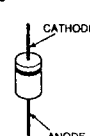
DAN202K



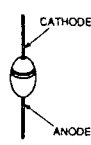
DAP202K



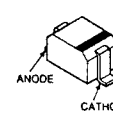
EGP20G  
EL1Z  
GP08D  
P6KE200AG23  
RGP02-20EL-6394  
S2L40F  
UF4005PKG23  
1SS83



ERC38-06  
U05G  
V09G



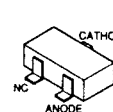
MA110



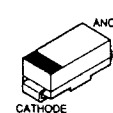
MA3033-L  
MA3047M-TX  
MA3091  
RD13M-B3  
RD3.9M-B1  
RD5.1M-B2  
RD7.5M-B2



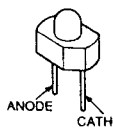
MA3240-TX



SC802-06



SLR-325VCT31



## SECTION 7 EXPLODED VIEWS

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

### NOTE:

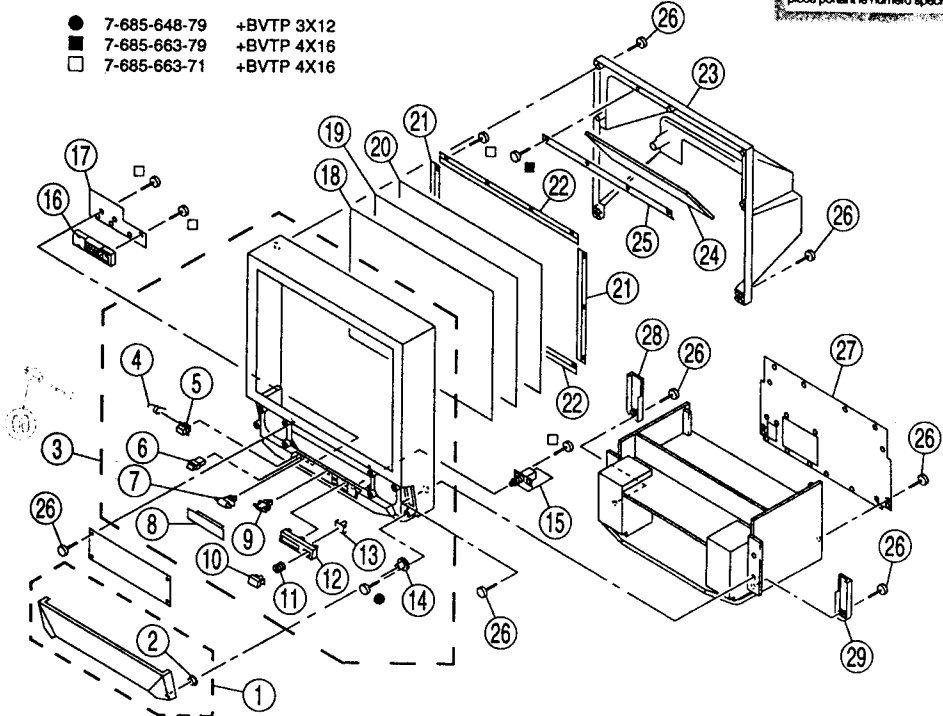
• Items with no part number and no description are not stocked because they are seldom required for routine service.

• The construction parts of an assembled part are indicated with a collation number in the remark column.

• Items marked \* \* \* are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

### 7-1. COVER

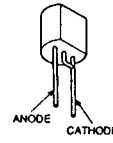
- 7-685-648-79 +BVTP 3X12
- 7-685-663-79 +BVTP 4X16
- 7-685-663-71 +BVTP 4X16



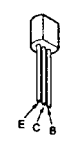
REF. NO.	PART NO.	DESCRIPTION
1	X-4033-789-1	GRILLE ASSY, SPEAKER
2	4-838-438-00	LATCH
3	X-4033-791-1	BEZNET ASSY
4	* 4-054-810-01	SPRING, DOOR
5	* 4-049-886-01	HOLDER, SPRING
6	4-042-192-01	CATCHER, PUSH
7	4-045-250-11	DAMPER
8	4-054-805-01	DOOR
9	3-703-035-11	SHAFT, LID
10	4-054-807-01	BUTTON, POWER
11	4-202-964-01	SPRING
12	4-054-808-01	PLATE, ORNAMENTAL
13	* 4-054-809-01	GUIDE, LED
14	4-843-806-00	STRIKE
15	* A-1372-217-A	HB BOARD, COMPLETE

REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
	16	4-054-812-01	BUTTON, MULTI	
	17	* A-1372-216-A	HA BOARD, COMPLETE	
4-14	18	4-053-812-11	SCREEN (41), CONTRAST	
	19	4-053-774-11	PLATE (L), DIFFUSION	
	20	4-047-943-31	PLATE (F), DIFFUSION	
	21	* 4-052-689-11	HOLDER (S), SCREEN	
	22	* 4-052-689-21	HOLDER (S), SCREEN	
	23	4-054-836-01	COVER, MIRROR	
	24	4-054-835-01	MIRROR (41), REFLECTION	
	25	* 4-054-837-01	HOLDER, MIRROR	
	26	4-378-522-31	SCREW, TAPPING, HEXAGON HEAD	
	27	* 4-054-796-01	PLATE, REAR	
	28	4-054-799-01	COVER (L), SIDE	
	29	4-054-797-01	COVER (R), SIDE	

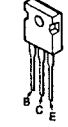
UPC574J



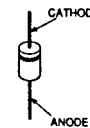
2SA1013-0  
2SA1208



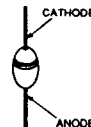
2SD2348LBSony



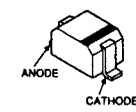
D3S4M-F  
EGP10D  
ERC06-15S  
ERC91-02  
RU-1C  
S2LA20F



ERC38-06  
U05G  
V09G



MA110



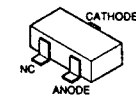
D4SB60L  
RBA-406B



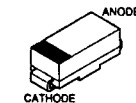
MA3033-L  
MA3047M-TX  
MA3091  
RD13M-B3  
RD3.9M-B1  
RD5.1M-B2  
RD7.5M-B2



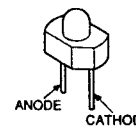
MA3240-TX



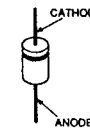
SC802-06



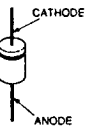
SLR-325VCT31



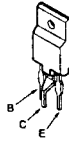
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EL1Z  
GP08D  
PGKE200AG23  
RGP02-20EL-6394  
S2L40F  
UF4005PKG23  
1SS83



D2S4M



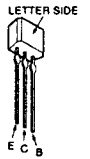
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2SD1887-CA



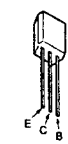
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DTC144EKA-T146  
2SA1162-G  
2SC1623-L5L6  
2SD601A-0



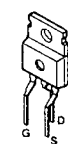
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2SC2785-HFE



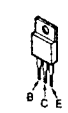
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DTC144ESA-Tp



1RF1640LF



1RF1744G-LF  
2SA1837  
2SC4793



The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

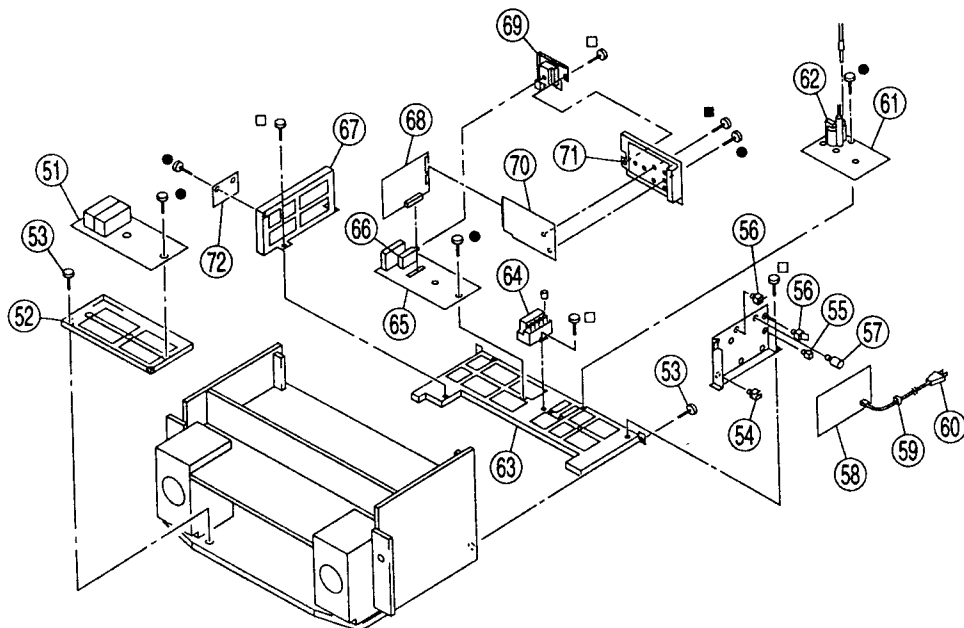
Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

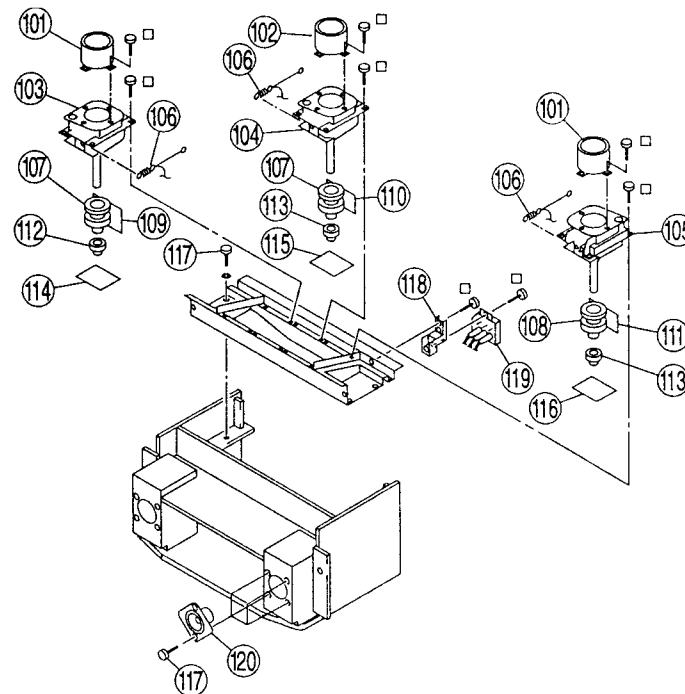
## 7-2. CHASSIS

- 7-685-648-79 +BVTP 3X12
- 7-685-663-79 +BVTP 4X16
- 7-685-663-71 +BVTP 4X16



## 7-3. PICTURE TUBE

- 7-685-663-71 +BVTP 4X16



REF. NO.	PART NO.	DESCRIPTION	REMARK
51	* A-1642-191-A	D BOARD, COMPLETE ASSY	
52	* 4-054-834-01	BRACKET (D)	
53	* 4-378-522-31	SCREW, TAPPING, HEXAGON HEAD	
54	* 3-659-682-11	HOLDER, PC BOARD	
55	* 4-382-848-01	HOLDER, PCB	
56	* 3-703-141-00	HOLDER, PCB	
57	* 3-687-542-41	SPACER, PC BOARD SPACE	
58	* A-1637-006-A	G BOARD, COMPLETE	
59	* 4-388-328-01	GROMMET, AC CORD	
60	$\Delta$ 1-690-270-21	CORD, POWER (WITH CONNECTOR)	(KP-41S3K)
	$\Delta$ 1-765-286-11	CORD, POWER (KP-41S3)	
	$\Delta$ 1-716-960-11	POWER CORD, FILTER (UK) (KP-41S3U)	
61	* A-1642-192-A	E BOARD, COMPLETE	

REF. NO.	PART NO.	DESCRIPTION	REMARK
62	$\Delta$ 1-453-189-11	TRANSFORMER ASSY, FLYBACK	NX-2631//A4S
63	* 4-047-949-12	BRACKET, MAIN PC BOARD	
64	$\Delta$ 8-598-955-11	BLOCK ASSY, HIGH-VOLTAGE	
65	* A-1632-472-A	A BOARD, COMPLETE	
66	* 1-693-185-11	TUNER UV916H	
67	* 4-054-833-01	BRACKET (B)	
68	* A-1621-060-A	B BOARD, COMPLETE (KP-41S3K)	
	* A-1621-059-A	B BOARD, COMPLETE (KP-41S3/41S3U)	
69	* 4-054-841-01	TERMINAL BOARD (B) (AEP)	
70	* A-1647-003-A	U BOARD, COMPLETE	
71	* 4-054-842-01	TERMINAL BOARD (A) (AEP)	
72	* A-1620-082-A	B2 BOARD, COMPLETE (French only)	

REF. NO.	PART NO.	DESCRIPTION	REMARK
101	4-034-057-01	LENS (LINNIT)	
102	4-034-057-11	LENS (LINNIT)	
103	$\Delta$ 8-733-496-05	PICTURE TUBE 07MAC2 (R)	
104	$\Delta$ 8-733-494-05	PICTURE TUBE 07MAC2 (G)	
105	$\Delta$ 8-733-495-05	PICTURE TUBE 07MAC2 (B)	
106	4-048-142-11	SPRING, EXTENSION	
107	$\Delta$ 8-451-463-11	DEFLECTION YOKE Y829PA2N	
108	$\Delta$ 8-451-463-21	DEFLECTION YOKE Y829PA2N2	
109	* A-1390-594-A	ZR BOARD, COMPLETE	
110	* A-1390-595-A	ZG BOARD, COMPLETE	

REF. NO.	PART NO.	DESCRIPTION	REMARK
111	* A-1390-596-A	ZB BOARD, COMPLETE	
112	$\Delta$ 1-452-790-21	NECK ASSY	
113	$\Delta$ 1-452-790-11	NECK ASSY	
114	* A-1331-532-A	CR BOARD, COMPLETE	
115	* A-1331-533-A	CG BOARD, COMPLETE	
116	* A-1331-534-A	CB BOARD, COMPLETE	
117	* 4-378-522-31	SCREW, TAPPING, HEXAGON HEAD	
118	* 4-054-825-01	BRACKET, FOCUS PACK	
119	$\Delta$ 1-223-925-11	RESISTOR ASSY (HIGH-VOLTAGE)	
120	1-505-426-11	SPEAKER	



# SECTION 8

## ELECTRICAL PARTS LIST

**CR** **CG**

### NOTE:

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

The components identified by  $\Delta$  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Items marked \* \* \* are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

### RESISTORS

- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

### CAPACITORS

PF :  $\mu$ F

There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

REF. NO.	PART NO.	DESCRIPTION	REMARK
* A-1331-532-A CR BOARD, COMPLETE			
<CAPACITOR>			
C701	1-104-664-11	ELECT 47MF 20% 25V	
C702	1-107-662-11	ELECT 22MF 20% 250V	
C703	1-161-754-00	CERAMIC 0.001MF 10% 2KV	
C704	1-126-768-11	ELECT 2200MF 20% 16V	
C705	1-102-050-00	CERAMIC 0.01MF 500V	
C707	1-102-129-00	CERAMIC 0.01MF 10% 50V	
C708	1-104-664-11	ELECT 47MF 20% 25V	
C709	1-107-651-11	ELECT 4.7MF 20% 250V	
C710	1-102-157-00	CERAMIC 560PF 10% 500V	
C714	1-162-115-00	CERAMIC 330PF 10% 2KV	
C715	1-101-005-00	CERAMIC 0.022MF 50V	
C716	1-102-050-00	CERAMIC 0.01MF 500V	

<CONNECTOR>			
CN701	* 1-508-784-00	PIN, CONNECTOR (5mm PITCH) 1P	
CN702	* 1-564-510-11	PLUG, CONNECTOR 7P	
CN703	* 1-564-512-11	PLUG, CONNECTOR 9P	
CN704	* 1-564-512-11	PLUG, CONNECTOR 9P	
CN705	* 1-564-511-11	PLUG, CONNECTOR 8P	

CN706	1-695-915-11	TAB (CONTACT)	
CN708	$\Delta$ 1-251-179-11	SOCKET, PICTURE TUBE	
CN709	* 1-564-506-11	PLUG, CONNECTOR 3P	

<DIODE>			
D701	8-719-911-19	DIODE 1SS119-25	
D702	8-719-911-19	DIODE 1SS119-25	
D703	8-719-911-19	DIODE 1SS119-25	
D704	8-719-110-36	DIODE RD13ESB2	
D705	8-719-210-21	DIODE 11EQS04	

D706	8-719-911-19	DIODE 1SS119-25	
D707	8-719-110-36	DIODE RD13ESB2	
D708	8-719-901-83	DIODE 1SS83	
D713	8-719-510-48	DIODE DIN20R	
D716	8-719-110-36	DIODE RD13ESB2	

<IC>			
IC701	8-759-346-42	IC TDA6101Q/N3	

<COIL>			
L701	1-408-429-00	INDUCTOR 470UH	

<NEON LAMP>			
NL701	1-519-108-99	LAMP, NEON	

REF. NO.	PART NO.	DESCRIPTION	REMARK
<RESISTOR>			
R701	1-215-411-00	METAL 390 1% 1/4W	
R702	1-215-414-00	METAL 510 1% 1/4W	
R704	1-202-847-00	SOLID 560K 20% 1/2W	
R706	1-249-407-11	CARBON 150 5% 1/4W	
R707	1-215-426-00	METAL 1.6K 1% 1/4W	
R708	1-202-883-11	SOLID 680K 20% 1/2W	
R709	1-215-436-00	METAL 4.3K 1% 1/4W	
R710	1-215-427-00	METAL 1.8K 1% 1/4W	
R711	1-215-427-00	METAL 1.8K 1% 1/4W	
R712	1-215-903-11	METAL OXIDE 68K 5% 2W F	
R713	1-202-818-00	SOLID 1K 20% 1/2W	
R714	1-202-818-00	SOLID 1K 20% 1/2W	
R719	1-247-807-31	CARBON 100 5% 1/4W	
R721	1-202-549-00	SOLID 100 20% 1/2W	
R722	1-202-549-00	SOLID 100 20% 1/2W	

### <SPARK GAP>

SG701	1-519-422-11	GAP, SPARK	
SG702	1-519-422-11	GAP, SPARK	
SG703	1-519-422-11	GAP, SPARK	

### \* A-1331-533-A CG BOARD, COMPLETE

<CAPACITOR>			
C731	1-161-754-00	CERAMIC 0.001MF 10% 2KV	
C732	1-107-662-11	ELECT 22MF 20% 250V	
C733	1-102-050-00	CERAMIC 0.01MF 500V	
C736	1-126-964-11	ELECT 10MF 20% 50V	
C738	1-107-651-11	ELECT 4.7MF 20% 250V	

C740	1-126-964-11	ELECT 10MF 20% 50V	
C741	1-102-157-00	CERAMIC 560PF 10% 500V	
C742	1-162-115-00	CERAMIC 330PF 10% 2KV	
C743	1-101-005-00	CERAMIC 0.022MF 50V	
C744	1-102-050-00	CERAMIC 0.01MF 500V	

### <CONNECTOR>

CN731	* 1-508-784-00	PIN, CONNECTOR (5mm PITCH) 1P	
CN732	* 1-564-512-11	PLUG, CONNECTOR 9P	
CN733	* 1-564-512-11	PLUG, CONNECTOR 9P	
CN734	1-564-511-11	PLUG, CONNECTOR 8P	
CN735	* 1-564-509-11	PLUG, CONNECTOR 6P	

CN736	1-695-915-11	TAB (CONTACT)	
CN738	$\Delta$ 1-251-179-11	SOCKET, PICTURE TUBE	

<DIODE>			
D731	8-719-110-36	DIODE RD13ESB2	

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF. NO.	PART NO.	DESCRIPTION	REMARK
D732	8-719-901-83	DIODE 1SS83	
D736	8-719-510-48	DIODE DIN20R	
D737	8-719-110-36	DIODE RD13ESB2	
<IC>			
IC731	8-759-346-42	IC TDA6101Q/N3	
<COIL>			
L731	1-408-429-00	INDUCTOR 470UH	
<NEON LAMP>			
NL731	1-519-108-99	LAMP, NEON	
<RESISTOR>			
R731	1-202-847-00	SOLID 560K 20% 1/2W	
R733	1-202-883-11	SOLID 680K 20% 1/2W	
R734	1-202-818-00	SOLID 1K 20% 1/2W	
R735	1-249-407-11	CARBON 150 5% 1/4W	
R737	1-202-818-00	SOLID 1K 20% 1/2W	
R738	1-202-549-00	SOLID 100 20% 1/2W	
R739	1-215-424-00	METAL 1.3K 1% 1/4W	
R740	1-215-427-00	METAL 1.8K 1% 1/4W	
R742	1-215-903-11	METAL OXIDE 68K 5% 2W F	
<SPARK GAP>			
SG731	1-519-422-11	GAP, SPARK	
SG732	1-519-422-11	GAP, SPARK	
SG733	1-519-422-11	GAP, SPARK	

### \* A-1331-534-A CB BOARD, COMPLETE

<CAPACITOR>			
C761	1-161-754-00	CERAMIC 0.001MF 10% 2KV	
C762	1-107-662-11	ELECT 22MF 20% 250V	
C763	1-102-050-00	CERAMIC 0.01MF 500V	
C766	1-107-651-11	ELECT 4.7MF 20% 250V	
C770	1-126-964-11	ELECT 10MF 20% 50V	
C771	1-102-157-00	CERAMIC 560PF 10% 500V	
C772	1-162-115-00	CERAMIC 330PF 10% 2KV	
C773	1-101-005-00	CERAMIC 0.022MF 50V	
C774	1-102-050-00	CERAMIC 0.01MF 500V	

<CONNECTOR>			
CN761	* 1-508-784-00	PIN, CONNECTOR (5mm PITCH) 1P	
CN762	* 1-564-512-11	PLUG, CONNECTOR 9P	
CN763	* 1-564-509-11	PLUG, CONNECTOR 6P	
CN766	1-695-915-11	TAB (CONTACT)	
CN768	$\Delta$ 1-251-179-11	SOCKET, PICTURE TUBE	

<DIODE>			
D761	8-719-110-36	DIODE RD13ESB2	
D762	8-719-901-83	DIODE 1SS83	
D763	8-719-911-19	DIODE 1SS119-25	
D764	8-719-110-36	DIODE RD13ESB2	
D765	8-719-110-36	DIODE RD13ESB2	

D768	8-719-510-48	DIODE DIN20R	
D769	8-719-110-36	DIODE RD13ESB2	

**CG** **CB** **HA**

REF. NO.	PART NO.	DESCRIPTION	REMARK
<IC>			
IC761	8-759-346-42	IC TDA6101Q/N3	
<COIL>			
L761	1-408-429-00	INDUCTOR 470UH	
<NEON LAMP>			
NL760	1-519-108-99	LAMP, NEON	
<RESISTOR>			
R761	1-202-847-00	SOLID 560K 20% 1/2W	
R763	1-202-883-11	SOLID 680K 20% 1/2W	
R764	1-202-818-00	SOLID 1K 20% 1/2W	
R767	1-202-818-00	SOLID 1K 20% 1/2W	
R768	1-202-549-00	SOLID 100 20% 1/2W	
R769	1-215-423-00	METAL 1.2K 1% 1/4W	
R770	1-215-437-00	METAL 4.7K 1% 1/4W	
R771	1-215-427-00	METAL 1.8K 1% 1/4W	
R773	1-215-903-11	METAL OXIDE 68K 5% 2W F	
R774	1-249-407-11	CARBON 150 5% 1/4W	
R775	1-202-549-00	SOLID 100 20% 1/2W	
<SPARK GAP>			
SG761	1-519-422-11	GAP, SPARK	
SG762	1-519-422-11	GAP, SPARK	
SG763	1-519-422-11	GAP, SPARK	

### \* A-1372-216-A HA BOARD, COMPLETE

<CAPACITOR>			
C3012	1-126-157-11	ELECT 10MF 20% 16V	
C3033	1-101-005-00	CERAMIC 0.022MF 50V	
C3034	1-101-005-00	CERAMIC 0.022MF 50V	

<CONNECTOR>			
CN3001	* 1-564-526-11	PLUG, CONNECTOR 11P	
CN3002	* 1-564-523-11	PLUG, CONNECTOR 8P	
CN3005	* 1-564-519-11	PLUG, CONNECTOR 4P	

<DIODE>			
D3002	8-719-053-43	DIODE SLR-325VCT31	
D3003	8-719-053-43	DIODE SLR-325VCT31	
D3004	8-719-053-43	DIODE SLR-325VCT31	

<IC>			
IC3001	8-741-780-51	IC SBX1780-51	

<JACK>			
J3001	1-764-073-11	TERMINAL BLOCK, S 4P	
J3031	1-691-293-11	JACK	

<COIL>			
L3001	1-408-409-00	INDUCTOR 10UH	
L3002	1-408-409-00	INDUCTOR 10UH	

HA HB ZR ZG

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

ZG ZB B

REF. NO.	PART NO.	DESCRIPTION	REMARK
<RESISTOR>			
R3001	1-249-413-11	CARBON 470 5% 1/4W	
R3002	1-249-425-11	CARBON 4.7K 5% 1/4W	
R3003	1-249-422-11	CARBON 2.7K 5% 1/4W	
R3004	1-249-419-11	CARBON 1.5K 5% 1/4W	
R3005	1-249-417-11	CARBON 1K 5% 1/4W	
R3006	1-249-415-11	CARBON 680 5% 1/4W	
R3007	1-249-425-11	CARBON 4.7K 5% 1/4W	
R3008	1-249-422-11	CARBON 2.7K 5% 1/4W	
R3009	1-249-419-11	CARBON 1.5K 5% 1/4W	
R3010	1-249-417-11	CARBON 1K 5% 1/4W	
R3011	1-249-415-11	CARBON 680 5% 1/4W	
R3031	1-249-412-11	CARBON 390 5% 1/4W	
R3032	1-249-412-11	CARBON 390 5% 1/4W	
R3033	1-249-412-11	CARBON 390 5% 1/4W	
R3034	1-249-419-11	CARBON 1.5K 5% 1/4W	
R3035	1-249-419-11	CARBON 1.5K 5% 1/4W	
R3036	1-249-409-11	CARBON 220 5% 1/4W	
R3037	1-249-409-11	CARBON 220 5% 1/4W	
R3038	1-249-409-11	CARBON 220 5% 1/4W	
R3039	1-249-409-11	CARBON 220 5% 1/4W	
<SWITCH>			
S3004	1-571-731-11	SWITCH, TACTIL	
S3005	1-571-731-11	SWITCH, TACTIL	
S3006	1-571-731-11	SWITCH, TACTIL	
S3007	1-571-731-11	SWITCH, TACTIL	
S3008	1-571-731-11	SWITCH, TACTIL	
S3009	1-571-731-11	SWITCH, TACTIL	
S3010	1-571-731-11	SWITCH, TACTIL	
S3011	1-571-731-11	SWITCH, TACTIL	
S3012	1-571-731-11	SWITCH, TACTIL	
S3013	1-571-731-11	SWITCH, TACTIL	
* A-1372-217-A HB BOARD, COMPLETE			
<CONNECTOR>			
CN3061	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P	
CN3062	* 1-691-291-11	PIN, CONNECTOR (PC BOARD) 5P	
<SWITCH>			
S3061	Δ 1-692-293-11	SWITCH, PUSH (AC POWER)(1 KEY)	
* A-1390-594-A ZR BOARD, COMPLETE			
4-382-854-11 SCREW (M3X10), P, SW (+)			
<CAPACITOR>			
C1401	1-162-115-00	CERAMIC 330PF 10% 2KV	
C1402	1-162-115-00	CERAMIC 330PF 10% 2KV	
C1403	1-102-978-00	CERAMIC 220PF 5% 50V	
C1404	1-107-638-11	ELECT 33MF 20% 160V	
C1405	1-104-665-11	ELECT 100MF 20% 25V	
C1406	1-107-370-11	FILM 0.1MF 10% 200V	
C1407	1-104-665-11	ELECT 100MF 20% 25V	
C1408	1-107-362-11	FILM 0.0047MF 10% 200V	
C1409	1-107-667-11	ELECT 2.2MF 20% 160V	
C1410	1-107-362-11	FILM 0.0047MF 10% 200V	

REF. NO.	PART NO.	DESCRIPTION	REMARK
C1411	1-137-364-11	FILM 0.001MF 5% 50V	
C1412	1-137-364-11	FILM 0.001MF 5% 50V	
C1413	1-161-830-00	CERAMIC 0.0047MF 500V	
C1414	1-104-661-91	ELECT 330MF 20% 16V	
C1415	1-102-947-00	CERAMIC 10PF 0.5PF 50V	
C1416	1-102-973-00	CERAMIC 100PF 5% 50V	
<CONNECTOR>			
CN1411	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P	
CN1412	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN1413	* 1-564-506-11	PLUG, CONNECTOR 3P	
CN1414	* 1-564-509-11	PLUG, CONNECTOR 6P	
CN1415	* 1-564-510-11	PLUG, CONNECTOR 7P	
CN1416	1-695-915-11	TAB (CONTACT)	
<DIODE>			
D1401	8-719-110-88	DIODE RD39ESB2	
D1402	8-719-110-88	DIODE RD39ESB2	
<TRANSISTOR>			
Q1401	8-729-017-06	TRANSISTOR 2SC4793	
Q1402	8-729-017-05	TRANSISTOR 2SA1837	
Q1403	8-729-140-96	TRANSISTOR 2SD774-34	
<RESISTOR>			
R1401	1-249-414-11	CARBON 560 5% 1/4W	
R1402	1-249-414-11	CARBON 560 5% 1/4W	
R1403	1-202-822-00	SOLID 2.2K 20% 1/2W	
R1404	1-202-822-00	SOLID 2.2K 20% 1/2W	
R1405	1-249-417-11	CARBON 1K 5% 1/4W	
R1406	1-216-479-21	METAL OXIDE 560 5% 3W F	
R1407	1-249-400-11	CARBON 39 5% 1/4W F	
R1408	1-249-384-11	CARBON 1.8 5% 1/4W F	
R1409	1-249-384-11	CARBON 1.8 5% 1/4W F	
R1410	1-260-311-11	CARBON 39 5% 1/2W	
R1411	1-249-417-11	CARBON 1K 5% 1/4W F	
R1412	1-249-414-11	CARBON 560 5% 1/4W	
R1413	1-249-432-11	CARBON 18K 5% 1/4W	
R1414	1-249-432-11	CARBON 18K 5% 1/4W	
R1415	1-249-414-11	CARBON 560 5% 1/4W F	
R1416	1-216-451-11	METAL OXIDE 120 5% 2W F	
R1417	1-216-475-11	METAL OXIDE 120 5% 3W F	
R1418	1-249-377-11	CARBON 0.47 5% 1/4W F	
R1419	1-249-409-11	CARBON 220 5% 1/4W	
R1420	1-216-475-11	METAL OXIDE 120 5% 3W F	
R1421	1-249-417-11	CARBON 1K 5% 1/4W	
* A-1390-595-A ZG BOARD, COMPLETE			
<CAPACITOR>			
C1431	1-162-115-00	CERAMIC 330PF 10% 2KV	
C1432	1-162-115-00	CERAMIC 330PF 10% 2KV	
C1433	1-102-973-00	CERAMIC 100PF 5% 50V	
<CONNECTOR>			
CN1441	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P	
CN1442	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN1443	* 1-564-506-11	PLUG, CONNECTOR 3P	
CN1445	* 1-564-510-11	PLUG, CONNECTOR 7P	

REF. NO.	PART NO.	DESCRIPTION	REMARK
<RESISTOR>			
R1431	1-249-414-11	CARBON 560 5% 1/4W	
R1432	1-249-414-11	CARBON 560 5% 1/4W	
R1433	1-202-822-00	SOLID 2.2K 20% 1/2W	
R1434	1-202-822-00	SOLID 2.2K 20% 1/2W	
R1435	1-216-475-11	METAL OXIDE 120 5% 3W F	
R1436	1-216-475-11	METAL OXIDE 120 5% 3W F	
R1437	1-249-417-11	CARBON 1K 5% 1/4W	
* A-1390-596-A ZB BOARD, COMPLETE			
<CAPACITOR>			
C1461	1-162-115-00	CERAMIC 330PF 10% 2KV	
C1462	1-162-115-00	CERAMIC 330PF 10% 2KV	
<CONNECTOR>			
CN1471	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P	
CN1472	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN1473	* 1-564-506-11	PLUG, CONNECTOR 3P	
<RESISTOR>			
R1461	1-249-414-11	CARBON 560 5% 1/4W	
R1462	1-249-414-11	CARBON 560 5% 1/4W	
R1463	1-202-822-00	SOLID 2.2K 20% 1/2W	
R1464	1-202-822-00	SOLID 2.2K 20% 1/2W	
R1465	1-216-475-11	METAL OXIDE 120 5% 3W F	
R1466	1-216-475-11	METAL OXIDE 120 5% 3W F	
* A-1621-059-A B BOARD, COMPLETE (KP-41S3/41S3U)			
* A-1621-060-A B BOARD, COMPLETE (KP-41S3K)			
<CAPACITOR>			
C1	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C2	1-126-933-11	ELECT 100MF 20% 16V	
C3	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C4	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C5	1-163-017-11	CERAMIC CHIP 0.0047MF 10% 50V	
C6	1-163-809-11	CERAMIC CHIP 0.047MF 10% 25V	
C7	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C8	1-163-089-00	CERAMIC CHIP 6PF 0.5PF 50V	
C9	1-126-967-11	ELECT 47MF 20% 16V	
C10	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C11	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C12	1-163-231-11	CERAMIC CHIP 15PF 5% 50V	
C13	1-163-231-11	CERAMIC CHIP 15PF 5% 50V	
C14	1-164-182-11	CERAMIC CHIP 0.0033MF 10% 50V	
C15	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C16	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C17	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C18	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C19	1-126-967-11	ELECT 47MF 20% 16V	
C20	1-164-346-11	CERAMIC CHIP 1MF 16V	
C21	1-164-346-11	CERAMIC CHIP 1MF 16V	
C22	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C23	1-124-902-00	ELECT 0.47MF 20% 50V	

REF. NO.	PART NO.	DESCRIPTION	REMARK	
C24	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C25	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C26	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C27	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C28	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C29	1-126-963-11	ELECT 4.7MF	20%	50V
C30	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C31	1-126-935-11	ELECT 470MF	20%	16V
C32	1-163-038-00	CERAMIC CHIP 0.1MF		25V
C33	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C34	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C35	1-126-964-11	ELECT 10MF	20%	50V
C36	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C37	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C38	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C39	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C40	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C41	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C42	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C43	1-126-964-11	ELECT 10MF	20%	50V
C44	1-126-967-11	ELECT 47MF	20%	16V
C45	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C46	1-126-967-11	ELECT 47MF	20%	16V
C47	1-126-967-11	ELECT 47MF	20%	16V
C48	1-126-933-11	ELECT 100MF	20%	16V
C49	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C50	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C51	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C52	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C53	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C54	1-126-967-11	ELECT 47MF	20%	16V
C55	1-126-933-11	ELECT 100MF	20%	16V
C56	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C57	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C58	1-126-964-11	ELECT 10MF	20%	50V
C59	1-163-251-11	CERAMIC CHIP 100PF	5%	50V
C60	1-163-227-11	CERAMIC CHIP 10PF	0.5PF	50V
C61	1-163-227-11	CERAMIC CHIP 10PF	0.5PF	50V
C62	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C63	1-126-933-11	ELECT 100MF	20%	16V
C64	1-163-249-11	CERAMIC CHIP 82PF	5%	50V
C65	1-126-967-11	ELECT 47MF	20%	16V
C66	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C67	1-126-933-11	ELECT 100MF	20%	16V
C68	1-126-933-11	ELECT 100MF	20%	16V
C69	1-126-967-11	ELECT 47MF	20%	16V
C70	1-126-933-11	ELECT 100MF	20%	16V
C71	1-164-005-11	CERAMIC CHIP 0.47MF		25V
C73	1-126-935-11	ELECT 470MF	20%	16V
C74	1-126-967-11	ELECT 47MF	20%	16V
C75	1-163-251-11	CERAMIC CHIP 100PF	5%	50V
C78	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C79	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C80	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C81	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C82	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C83	1-126-967-11	ELECT 47MF	20%	16V
C84	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C85	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C86	1-163-231-11	CERAMIC CHIP 15PF	5%	50V
C87	1-163-235-11	CERAMIC CHIP 22PF	5%	50V
C88	1-163-231-11	CERAMIC CHIP 15PF	5%	50V
C89	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C90	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C91	1-163-017-11	CERAMIC CHIP 0.0047MF	10%	50V
C94	1-163-809-11	CERAMIC CHIP 0.047MF	10%	25V
C95	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C96	1-163-235-11	CERAMIC CHIP 22PF	5%	50V

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REF. NO.	PART NO.	DESCRIPTION	REMARK
C97	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C99	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C100	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C101	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C102	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C103	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
C104	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C105	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C106	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C107	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C108	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C109	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C110	1-126-933-11	ELECT 100MF	20% 16V
C111	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C112	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C113	1-164-182-11	CERAMIC CHIP 0.0033MF	10% 50V
C114	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C115	1-124-903-11	ELECT 1MF	20% 50V
C116	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C117	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C118	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C119	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C120	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
C121	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
C122	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C123	1-164-346-11	CERAMIC CHIP 1MF	16V
C125	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C126	1-126-964-11	ELECT 10MF	20% 50V
C127	1-163-013-71	CERAMIC CHIP 0.0022MF	10% 50V
C128	1-163-237-11	CERAMIC CHIP 27PF	5% 50V
C129	1-124-903-11	ELECT 1MF	20% 50V
C130	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C131	1-163-259-71	CERAMIC CHIP 220PF	5% 50V
C131	1-163-275-11	CERAMIC CHIP 1000PF	5% 50V
C132	1-163-259-71	CERAMIC CHIP 220PF	5% 50V
C132	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C133	1-163-259-71	CERAMIC CHIP 220PF	5% 50V
C134	1-163-259-71	CERAMIC CHIP 220PF	5% 50V
C134	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C135	1-163-259-71	CERAMIC CHIP 220PF	5% 50V
C135	1-163-275-11	CERAMIC CHIP 1000PF	5% 50V
C136	1-163-259-71	CERAMIC CHIP 220PF	5% 50V
C201	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C202	1-126-964-11	ELECT 10MF	20% 50V
C203	1-126-964-11	ELECT 10MF	20% 50V
C204	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C205	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
C206	1-163-259-71	CERAMIC CHIP 220PF	5% 50V
C207	1-163-989-11	CERAMIC CHIP 0.033MF	10% 25V
C208	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C209	1-163-227-11	CERAMIC CHIP 10PF	0.5PF 50V
C210	1-163-227-11	CERAMIC CHIP 10PF	0.5PF 50V
C211	1-163-259-71	CERAMIC CHIP 220PF	5% 50V
C212	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C213	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C214	1-163-227-11	CERAMIC CHIP 10PF	0.5PF 50V
C215	1-163-259-71	CERAMIC CHIP 220PF	5% 50V
C216	1-163-227-11	CERAMIC CHIP 10PF	0.5PF 50V
C217	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C219	1-126-301-11	ELECT 1MF	20% 50V
C220	1-126-301-11	ELECT 1MF	20% 50V
C221	1-126-967-11	ELECT 47MF	20% 16V
C223	1-164-346-11	CERAMIC CHIP 1MF	16V
C224	1-126-964-11	ELECT 10MF	20% 50V
C225	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C226	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C227	1-163-229-11	CERAMIC CHIP 12PF	5% 50V
C228	1-163-231-11	CERAMIC CHIP 15PF	5% 50V
C229	1-163-031-11	CERAMIC CHIP 0.01MF	50V

REF. NO.	PART NO.	DESCRIPTION	REMARK
C230	1-126-967-11	ELECT 47MF	20% 16V
C231	1-163-259-71	CERAMIC CHIP 220PF	5% 50V
C232	1-163-121-00	CERAMIC CHIP 150PF	5% 50V
C233	1-163-121-00	CERAMIC CHIP 150PF	5% 50V
C234	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C235	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C236	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C237	1-126-963-11	ELECT 4.7MF	20% 50V
C238	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
C239	1-163-127-00	CERAMIC CHIP 270PF	5% 50V
C240	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C241	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
C242	1-126-956-91	ELECT 0.1MF	20% 50V
C243	1-126-963-11	ELECT 4.7MF	20% 50V
C245	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
C246	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C247	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C249	1-163-031-11	CERAMIC CHIP 0.01MF	20% 50V
C250	1-163-031-11	CERAMIC CHIP 0.01MF	20% 50V
C251	1-126-964-11	ELECT 10MF	20% 50V
C253	1-163-033-00	CERAMIC CHIP 0.0022MF	50V
C254	1-163-035-00	CERAMIC CHIP 0.047MF	50V
C255	1-163-035-00	CERAMIC CHIP 0.047MF	50V
C256	1-163-035-00	CERAMIC CHIP 0.047MF	50V
C257	1-164-346-11	CERAMIC CHIP 1MF	16V
C258	1-110-501-11	CERAMIC CHIP 0.33MF	10% 16V
C259	1-124-903-11	ELECT 1MF	20% 50V
C260	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C261	1-126-967-11	ELECT 47MF	20% 16V
C262	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C263	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C264	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C266	1-163-239-11	CERAMIC CHIP 33PF	5% 50V
C267	1-126-964-11	ELECT 10MF	20% 50V
C268	1-126-964-11	ELECT 10MF	20% 50V
C269	1-126-964-11	ELECT 10MF	20% 50V
C270	1-126-935-11	ELECT 470MF	20% 16V
C271	1-126-967-11	ELECT 47MF	20% 16V
C272	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C273	1-163-099-00	CERAMIC CHIP 18PF	5% 50V
C274	1-163-099-00	CERAMIC CHIP 18PF	5% 50V
C275	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C276	1-126-964-11	ELECT 10MF	20% 50V
C277	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C278	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C279	1-164-346-11	CERAMIC CHIP 1MF	16V
C280	1-164-346-11	CERAMIC CHIP 1MF	16V
C281	1-164-346-11	CERAMIC CHIP 1MF	16V
C282	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C283	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C284	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C285	1-164-346-11	CERAMIC CHIP 1MF	16V
C286	1-164-346-11	CERAMIC CHIP 1MF	16V
C287	1-164-346-11	CERAMIC CHIP 1MF	16V
C288	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C289	1-126-963-11	ELECT 4.7MF	20% 50V
C290	1-126-301-11	ELECT 1MF	20% 50V
C291	1-126-964-11	ELECT 10MF	20% 50V
C293	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C294	1-104-664-11	ELECT 47MF	20% 25V
C296	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C297	1-126-967-11	ELECT 47MF	20% 16V
C298	1-126-935-11	ELECT 470MF	20% 16V
C299	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C300	1-126-964-11	ELECT 10MF	20% 50V
C301	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C302	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
C303	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C304	1-126-967-11	ELECT 47MF	20% 16V

REF. NO.	PART NO.	DESCRIPTION	REMARK
C306	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C308	1-163-241-11	CERAMIC CHIP 39PF	5% 50V
C309	1-163-139-00	CERAMIC CHIP 820PF	5% 50V
C310	1-163-033-00	CERAMIC CHIP 0.022MF	50V
C311	1-126-933-11	ELECT 100MF	20% 16V
C312	1-163-013-71	CERAMIC CHIP 0.0022MF	10% 50V
C313	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C314	1-126-935-11	ELECT 470MF	20% 16V
C315	1-126-933-11	ELECT 100MF	20% 16V
C316	1-124-903-11	ELECT 1MF	20% 50V
C317	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C318	1-163-007-11	CERAMIC CHIP 680PF	10% 50V
C320	1-164-222-11	CERAMIC CHIP 0.22MF	25V
C321	1-126-933-11	ELECT 100MF	20% 16V
C322	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
C324	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
C325	1-164-005-11	CERAMIC CHIP 0.47MF	5% 25V
C326	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C327	1-163-013-71	CERAMIC CHIP 0.0022MF	10% 50V
C328	1-126-964-11	ELECT 10MF	20% 50V
C329	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C330	1-126-964-11	ELECT 10MF	20% 50V
C331	1-163-013-71	CERAMIC CHIP 0.0022MF	10% 50V
C332	1-126-964-11	ELECT 10MF	20% 50V
C333	1-126-964-11	ELECT 10MF	20% 50V
C334	1-164-346-11	CERAMIC CHIP 1MF	16V
C335	1-164-346-11	CERAMIC CHIP 1MF	16V
C336	1-163-007-11	CERAMIC CHIP 680PF	10% 50V
C337	1-163-007-11	CERAMIC CHIP 680PF	10% 50V
C338	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C339	1-163-013-71	CERAMIC CHIP 0.0022MF	10% 50V
C340	1-163-007-11	CERAMIC CHIP 680PF	10% 50V
C341	1-163-003-11	CERAMIC CHIP 330PF	10% 50V
C342	1-126-964-11	ELECT 10MF	20% 50V
C343	1-163-003-11	CERAMIC CHIP 330PF	10% 50V
C344	1-163-231-11	CERAMIC CHIP 15PF	5% 50V
C345	1-163-013-71	CERAMIC CHIP 0.0022MF	10% 50V
C347	1-163-099-00	CERAMIC CHIP 18PF	5% 50V
C348	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C349	1-163-007-11	CERAMIC CHIP 680PF	10% 50V
C350	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C351	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C352	1-126-964-11	ELECT 10MF	20% 50V
C353	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C354	1-126-964-11	ELECT 10MF	20% 50V
C355	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C356	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C358	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C359	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C360	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C361	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C362	1-126-967-11	ELECT 47MF	20% 16V
C363	1-126-964-11	ELECT 10MF	20% 50V
C364	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C365	1-126-963-11	ELECT 4.7MF	20% 50V
C366	1-163-013-71	CERAMIC CHIP 0.0022MF	10% 50V
C367	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C368	1-126-967-11	ELECT 47MF	20% 16V
C369	1-164-222-11	CERAMIC CHIP 0.22MF	25V
C370	1-126-964-11	ELECT 10MF	20% 50V
C371	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C372	1-126-964-11	ELECT 10MF	20% 50V
C374	1-126-964-11	ELECT 10MF	20% 50V
C375	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C376	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C377	1-163-007-11	CERAMIC CHIP 680PF	10% 50V
C379	1-126-935-11	ELECT 470MF	20% 16V
C381	1-163-259-71	CERAMIC CHIP 220PF	5% 50V

REF. NO.	PART NO.	DESCRIPTION		REMARK
C382	1-163-259-71	CERAMIC CHIP 220PF	5%	50V
C383	1-163-259-71	CERAMIC CHIP 220PF	5%	50V
C384	1-163-259-71	CERAMIC CHIP 220PF	5%	50V
C385	1-163-259-71	CERAMIC CHIP 220PF	5%	50V
C386	1-163-259-71	CERAMIC CHIP 220PF	5%	50V
C387	1-163-038-00	CERAMIC CHIP 0.1MF		25V
C388	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C389	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C390	1-163-108-00	CERAMIC CHIP 43PF	5%	50V
C416	1-163-038-00	CERAMIC CHIP 0.1MF		25V
C544	1-126-967-11	ELECT 47MF	20%	16V
C545	1-163-031-11	CERAMIC CHIP 0.01MF		50V
C546	1-163-259-71	CERAMIC CHIP 220PF	5%	50V
C547	1-126-301-11	ELECT 1MF	20%	50V
C548	1-163-017-11	CERAMIC CHIP 0.0047MF	10%	50V
C549	1-163-251-11	CERAMIC CHIP 100PF	5%	50V
G601	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
G602	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
G603	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
G604	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
G605	1-163-013-71	CERAMIC CHIP 0.0022MF	10%	50V
G606	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
G607	1-164-501-11	CERAMIC CHIP 0.33MF	10%	16V
G608	1-163-037-71	CERAMIC CHIP 0.022MF	10%	50V
G609	1-126-967-11	ELECT 47MF	20%	50V
G610	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
G611	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
G612	1-163-013-71	CERAMIC CHIP 0.0022MF	10%	50V
G613	1-163-013-71	CERAMIC CHIP 0.0022MF	10%	50V
G614	1-163-311-11	CERAMIC CHIP 0.01MF		50V
G615	1-163-311-11	CERAMIC CHIP 0.01MF	20%	50V
G616	1-126-967-11	ELECT 47MF		50V
G617	1-164-222-11	CERAMIC CHIP 0.22MF		25V
G618	1-163-013-71	CERAMIC CHIP 0.0022MF	10%	50V
G619	1-126-934-11	ELECT 220MF	20%	16V
G620	1-124-903-11	ELECT 1MF	20%	50V
G621	1-163-251-11	CERAMIC CHIP 100PF	5%	50V
G622	1-113-503-11	CERAMIC CHIP 0.0039MF	5%	25V
G623	1-124-903-11	ELECT 1MF	20%	50V
G624	1-126-934-11	ELECT 220MF	20%	16V
G625	1-164-695-11	CERAMIC CHIP 0.0022MF	5%	50V
G626	1-163-133-00	CERAMIC CHIP 470PF	5%	50V
G627	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
G628	1-163-012-00	CERAMIC CHIP 0.0018MF	5%	50V
G629	1-113-503-11	CERAMIC CHIP 0.0039MF	5%	25V
G630	1-163-017-11	CERAMIC CHIP 0.0047MF	10%	50V
G631	1-163-127-00	CERAMIC CHIP 270PF	5%	50V
G632	1-163-251-11	CERAMIC CHIP 100PF	5%	50V
<FILTER>				
CF401	1-409-327-00	TRAP, CERAMIC (6.5MHZ)		
<CONNECTOR>				
CN1	* 1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)		
CN2	* 1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)		
CN3	* 1-564-521-11	PLUG, CONNECTOR 6P		
CN4	1-695-301-11	CONNECTOR, BOARD TO BOARD 40P		
CN5	1-564-523-11	PLUG, CONNECTOR 8P		
CN6	1-695-915-11	TAB (CONTACT)		
CN201	* 1-564-512-11	PLUG, CONNECTOR 9P		
CN202	* 1-564-506-11	PLUG, CONNECTOR 3P		
CN203	* 1-564-511-61	PLUG, CONNECTOR 8P		
CN204	* 1-564-514-11	PLUG, CONNECTOR 11P		
CN205	* 1-564-507-11	PLUG, CONNECTOR 4P		
CN206	* 1-564-510-11	PLUG, CONNECTOR 7P		
CN601	* 1-564-508-11	PLUG, CONNECTOR 5P		

B

REF. NO.	PART NO.	DESCRIPTION	REMARK
<DIODE>			
D1	8-719-914-44	DIODE DAP202K	
D2	8-719-914-44	DIODE DAP202K	
D3	8-719-914-43	DIODE DAN202K	
D4	8-719-914-43	DIODE DAN202K	
D5	8-719-914-43	DIODE DAN202K	
D201	8-719-914-43	DIODE DAN202K	
D202	8-719-914-43	DIODE DAN202K	
D203	8-719-914-43	DIODE DAN202K	
D204	8-719-914-43	DIODE DAN202K	
D205	8-719-914-43	DIODE DAN202K	
D206	8-719-914-43	DIODE DAN202K	
D207	8-719-106-23	DIODE RD7.5M-B2	
D208	8-719-914-43	DIODE DAN202K	
D209	8-719-047-37	DIODE BAS16	
D210	8-719-047-37	DIODE BAS16	
D211	8-719-914-43	DIODE DAN202K	
D212	8-719-914-43	DIODE DAN202K	
D215	8-719-914-43	DIODE DAN202K	
D217	8-719-914-43	DIODE DAN202K	
D218	8-719-914-43	DIODE DAN202K	
D220	8-719-914-43	DIODE DAN202K	
D221	8-719-914-43	DIODE DAN202K	
D223	8-719-914-43	DIODE DAN202K	
D224	8-719-914-43	DIODE DAN202K	
D225	8-719-914-43	DIODE DAN202K	
D226	8-719-914-43	DIODE DAN202K	
D227	8-719-914-43	DIODE DAN202K	
D601	8-719-914-43	DIODE DAN202K	
D602	8-719-914-43	DIODE DAN202K	
D603	8-719-914-43	DIODE DAN202K	
<DELAY LINE>			
DL201	1-415-810-11	DELAY LINE	
<FERRITE BEAD>			
FB1	1-412-911-11	INDUCTOR, FERRITE BEAD	
FB2	1-412-911-11	INDUCTOR, FERRITE BEAD	
<FILTER>			
FL1	1-236-620-11	FILTER, LOW PASS	
FL2	1-236-620-11	FILTER, LOW PASS	
FL3	1-236-620-11	FILTER, LOW PASS	
FL201	1-239-803-11	FILTER, EM1	
<IC>			
IC1	8-752-372-78	IC CXD2024AQ	
IC2	8-759-711-62	IC NJM2240M	
IC3	8-759-439-58	IC TDA9143/N2	
IC4	8-759-710-29	IC NJM2235M	
IC5	8-759-288-85	IC TDA4665T-T	
IC6	8-759-324-35	IC SDA9188-3XPGE	
IC7	8-759-248-15	IC SDA9187-2XGEG	
IC8	8-759-183-35	IC TDA9160A	
IC9	8-759-300-71	IC HD14053BFP	
IC10	8-759-288-85	IC TDA4665T-T	
IC201	8-759-370-64	IC TPU3040-TC20 (KP-41S3/U)	
IC201	8-759-433-48	IC TPU3041TC-22-TP (KP-41S3K)	
IC202	8-759-710-07	IC NJM2234MT1	
IC203	8-759-192-13	IC MB81C1000A-70PJ-T5	
IC204	8-759-277-89	IC ST24C16CM1-TR/A	
IC205	8-759-041-54	IC MN1382S	
IC206	8-759-275-36	IC TDA4780/V3	
IC207	8-752-873-33	IC CXP85460-032Q	
IC208	8-752-012-52	IC CX2012S	

REF. NO.	PART NO.	DESCRIPTION	REMARK
IC209	8-759-085-34	IC TDA2822D	
IC210	8-759-008-67	IC MC14066BF	
IC211	8-759-011-65	IC MC74HC4053F	
IC212	8-759-336-08	IC MSP3410	
IC213	8-759-998-98	IC LM358D	
IC214	8-759-037-79	IC MC74HC163AF	
IC601	8-752-347-92	IC CXD2018Q	
IC602	8-759-998-98	IC LM358D	
IC603	8-759-083-85	IC LA7856A	
<CHIP CONDUCTOR>			
JR202	1-216-295-00	CONDUCTOR, CHIP	
JR203	1-216-295-00	CONDUCTOR, CHIP	
<COIL>			
L1	1-414-235-11	INDUCTOR, FERRITE BEAD	
L2	1-414-235-11	INDUCTOR, FERRITE BEAD	
L3	1-414-235-11	INDUCTOR, FERRITE BEAD	
L4	1-414-235-11	INDUCTOR, FERRITE BEAD	
L5	1-414-235-11	INDUCTOR, FERRITE BEAD	
L6	1-414-235-11	INDUCTOR, FERRITE BEAD	
L7	1-408-417-00	INDUCTOR 47UH	
L8	1-408-421-00	INDUCTOR 100UH	
L9	1-216-295-00	CONDUCTOR, CHIP	
L10	1-408-417-00	INDUCTOR 47UH	
L11	1-414-235-11	INDUCTOR, FERRITE BEAD	
L12	1-408-421-00	INDUCTOR 100UH	
L13	1-216-295-00	CONDUCTOR, CHIP	
L14	1-408-418-00	INDUCTOR 56UH	
L15	1-408-417-00	INDUCTOR 47UH	
L16	1-414-235-11	INDUCTOR, FERRITE BEAD	
L17	1-414-235-11	INDUCTOR, FERRITE BEAD	
L18	1-414-235-11	INDUCTOR, FERRITE BEAD	
L19	1-414-235-11	INDUCTOR, FERRITE BEAD	
L20	1-414-235-11	INDUCTOR, FERRITE BEAD	
L21	1-408-417-00	INDUCTOR 47UH	
L22	1-414-235-11	INDUCTOR, FERRITE BEAD	
L23	1-216-295-00	CONDUCTOR, CHIP	
L24	1-412-533-21	INDUCTOR 47UH	
L25	1-408-417-00	INDUCTOR 47UH	
L201	1-414-234-11	INDUCTOR, FERRITE BEAD	
L202	1-408-417-00	INDUCTOR 47UH	
L203	1-408-409-00	INDUCTOR 10UH	
L204	1-408-417-00	INDUCTOR 47UH	
L205	1-408-409-00	INDUCTOR 10UH	
L206	1-408-405-00	INDUCTOR 4.7UH	
L207	1-408-417-00	INDUCTOR 47UH	
L208	1-408-409-00	INDUCTOR 10UH	
L209	1-408-417-00	INDUCTOR 47UH	
L210	1-408-417-00	INDUCTOR 47UH	
L211	1-408-417-00	INDUCTOR 47UH	
L212	1-408-417-00	INDUCTOR 47UH	
L213	1-408-417-00	INDUCTOR 47UH	
L214	1-408-409-00	INDUCTOR 10UH	
L215	1-414-234-11	INDUCTOR, FERRITE BEAD	
L216	1-408-406-00	INDUCTOR 5.6UH	
L217	1-408-409-00	INDUCTOR 10UH	
L218	1-414-235-11	INDUCTOR, FERRITE BEAD	
L220	1-408-417-00	INDUCTOR 47UH	
L221	1-408-397-00	INDUCTOR 1UH	
L601	1-408-417-00	INDUCTOR 47UH	
L602	1-408-417-00	INDUCTOR 47UH	
L603	1-408-409-00	INDUCTOR 10UH	
<TRANSISTOR>			
Q1	8-729-120-28	TRANSISTOR 2SC1623-L5L6	

B

REF. NO.	PART NO.	DESCRIPTION	REMARK
Q2	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6	8-729-216-22	TRANSISTOR 2SA1162-G	
Q7	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q9	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q10	8-729-216-22	TRANSISTOR 2SA1162-G	
Q11	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q12	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q13	8-729-027-59	TRANSISTOR DTC144EKA-T146	
Q14	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q15	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q16	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q17	8-729-027-59	TRANSISTOR DTC144EKA-T146	
Q18	8-729-216-22	TRANSISTOR 2SA1162-G	
Q19	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q20	8-729-216-22	TRANSISTOR 2SA1162-G	
Q22	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q23	8-729-216-22	TRANSISTOR 2SA1162-G	
Q24	8-729-216-22	TRANSISTOR 2SA1162-G	
Q25	8-729-216-22	TRANSISTOR 2SA1162-G	
Q26	8-729-216-22	TRANSISTOR 2SA1162-G	
Q27	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q28	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q29	8-729-027-59	TRANSISTOR DTC144EKA-T146	
Q30	8-729-216-22	TRANSISTOR 2SA1162-G	
Q32	8-729-216-22	TRANSISTOR 2SA1162-G	
Q33	8-729-216-22	TRANSISTOR 2SA1162-G	
Q34	8-729-216-22	TRANSISTOR 2SA1162-G	
Q35	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q36	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q37	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q38	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q39	8-729-216-22	TRANSISTOR 2SA1162-G	
Q40	8-729-027-59	TRANSISTOR DTC144EKA-T146	
Q41	8-729-027-59	TRANSISTOR DTC144EKA-T146	
Q42	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q43	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q44	8-729-216-22	TRANSISTOR 2SA1162-G	
Q45	8-729-216-22	TRANSISTOR 2SA1162-G	
Q46	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q47	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q48	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q49	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q52	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q201	8-729-216-22	TRANSISTOR 2SA1162-G	
Q202	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q203	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q204	8-729-216-22	TRANSISTOR 2SA1162-G	
Q205	8-729-216-22	TRANSISTOR 2SA1162-G	
Q206	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q207	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q208	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q209	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q210	8-729-216-22	TRANSISTOR 2SA1162-G	
Q211	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q212	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q213	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q214	8-729-216-22	TRANSISTOR 2SA1162-G	
Q215	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q216	8-729-216-22	TRANSISTOR 2SA1162-G	
Q217	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q218	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q219	8-729-216-22	TRANSISTOR 2SA1162-G	
Q220	8-729-216-22	TRANSISTOR 2SA1162-G	
Q221	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q222	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q223	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q225	8-729-027-59	TRANSISTOR DTC144EKA-T146	

REF. NO.	PART NO.	DESCRIPTION	REMARK
Q226	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q227	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q228	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q229	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q230	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q231	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q232	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q233	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q234	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q235	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q236	8-729-216-22	TRANSISTOR 2SA1162-G	
Q237	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q238	8-729-216-22	TRANSISTOR 2SA1162-G	
Q239	8-729-216-22	TRANSISTOR 2SA1162-G	
Q240	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q241	8-729-216-22	TRANSISTOR 2SA1162-G	
Q242	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q243	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q244	8-729-216-22	TRANSISTOR 2SA1162-G	
Q245	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q246	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q247	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q248	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q249	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q250	8-729-216-22	TRANSISTOR 2SA1162-G	
Q251	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q252	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q253	8-729-216-22	TRANSISTOR 2SA1162-G	
Q254	8-729-216-22	TRANSISTOR 2SA1162-G	
Q255	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q256	8-729-216-22	TRANSISTOR 2SA1162-G	
Q257	8-729-216-22	TRANSISTOR 2SA1162-G	
Q258	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q259	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q260	8-729-216-22	TRANSISTOR 2SA1162-G	
Q261	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q262	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q263	8-729-216-22	TRANSISTOR 2SA1162-G	
Q264	8-729-216-22	TRANSISTOR 2SA1162-G	
Q265	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q266	8-729-216-22	TRANSISTOR 2SA1162-G	
Q267	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q268	8-729-216-22	TRANSISTOR 2SA1162-G	
Q269	8-729-216-22	TRANSISTOR 2SA1162-G	
Q270	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q271	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q272	8-729-216-22	TRANSISTOR 2SA1162-G	
Q273	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q274	8-729-216-22	TRANSISTOR 2SA1162-G	
Q275	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q277	8-729-216-22	TRANSISTOR 2SA1162-G	
Q278	8-729-027-59	TRANSISTOR DTC144EKA-T146	
Q279	8-729-027-59	TRANSISTOR DTC144EKA-T146	

B

REF. NO.	PART NO.	DESCRIPTION	REMARK
R4	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R6	1-216-295-00	CONDUCTOR, CHIP	
R7	1-216-295-00	CONDUCTOR, CHIP	
R9	1-216-085-00	METAL GLAZE 33K	5% 1/10W
R10	1-216-089-00	METAL GLAZE 47K	5% 1/10W
R11	1-216-033-00	METAL GLAZE 220	5% 1/10W
R12	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R13	1-216-025-00	METAL GLAZE 100	5% 1/10W
R14	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R15	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R16	1-216-025-00	METAL GLAZE 100	5% 1/10W
R17	1-216-041-00	METAL GLAZE 470	5% 1/10W
R18	1-216-061-00	METAL GLAZE 3.3K	5% 1/10W
R19	1-216-047-91	METAL GLAZE 820	5% 1/10W
R20	1-216-089-00	METAL GLAZE 47K	5% 1/10W
R21	1-216-077-00	METAL GLAZE 15K	5% 1/10W
R22	1-216-045-00	METAL GLAZE 680	5% 1/10W
R23	1-216-069-00	METAL GLAZE 6.8K	5% 1/10W
R24	1-216-095-00	METAL GLAZE 82K	5% 1/10W
R25	1-216-025-00	METAL GLAZE 100	5% 1/10W
R26	1-216-025-00	METAL GLAZE 100	5% 1/10W
R27	1-216-295-00	CONDUCTOR, CHIP	
R27	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R27	1-216-295-00	CONDUCTOR, CHIP	
R28	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R28	1-216-295-00	CONDUCTOR, CHIP	
R29	1-216-033-00	METAL GLAZE 220	5% 1/10W
R29	1-216-295-00	CONDUCTOR, CHIP	
R30	1-216-025-00	METAL GLAZE 100	5% 1/10W
R30	1-216-295-00	CONDUCTOR, CHIP	
R31	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R31	1-216-295-00	CONDUCTOR, CHIP	
R32	1-216-109-00	METAL GLAZE 330K	5% 1/10W
R32	1-216-295-00	CONDUCTOR, CHIP	
R33	1-216-047-91	METAL GLAZE 820	5% 1/10W
R33	1-216-295-00	CONDUCTOR, CHIP	
R34	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R34	1-216-295-00	CONDUCTOR, CHIP	
R35	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R35	1-216-295-00	CONDUCTOR, CHIP	
R36	1-216-071-00	METAL GLAZE 8.2K	5% 1/10W
R36	1-216-295-00	CONDUCTOR, CHIP	
R37	1-216-025-00	METAL GLAZE 100	5% 1/10W
R38	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R39	1-216-067-00	METAL GLAZE 5.6K	5% 1/10W
R40	1-216-025-00	METAL GLAZE 100	5% 1/10W
R41	1-216-025-00	METAL GLAZE 100	5% 1/10W
R42	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R43	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R44	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R45	1-216-043-91	METAL GLAZE 560	5% 1/10W
R46	1-216-033-00	METAL GLAZE 220	5% 1/10W
R47	1-216-033-00	METAL GLAZE 220	5% 1/10W
R48	1-216-101-00	METAL GLAZE 150K	5% 1/10W
R49	1-216-666-11	METAL CHIP 4.3K	0.50% 1/10W
R50	1-216-083-00	METAL GLAZE 27K	5% 1/10W
R51	1-216-051-00	METAL GLAZE 1.2K	5% 1/10W
R52	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R53	1-216-025-00	METAL GLAZE 100	5% 1/10W
R54	1-216-657-11	METAL CHIP 1.8K	0.50% 1/10W
R55	1-216-033-00	METAL GLAZE 220	5% 1/10W
R56	1-216-033-00	METAL GLAZE 220	5% 1/10W
R57	1-216-103-00	METAL GLAZE 180K	5% 1/10W
R58	1-208-784-11	METAL CHIP 1.2K	0.50% 1/10W
R59	1-216-663-11	METAL CHIP 3.3K	0.50% 1/10W
R60	1-216-089-00	METAL GLAZE 47K	5% 1/10W
R61	1-216-043-91	METAL GLAZE 560	5% 1/10W
R62	1-216-081-00	METAL GLAZE 22K	5% 1/10W

REF. NO.	PART NO.	DESCRIPTION	REMARK
R63	1-216-041-00	METAL GLAZE 470	5% 1/10W
R64	1-216-043-91	METAL GLAZE 560	5% 1/10W
R65	1-216-105-00	METAL GLAZE 220K	5% 1/10W
R66	1-216-025-00	METAL GLAZE 100	5% 1/10W
R67	1-216-025-00	METAL GLAZE 100	5% 1/10W
R68	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R69	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R70	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R71	1-216-657-11	METAL CHIP 1.8K	0.50% 1/10W
R72	1-216-105-00	METAL GLAZE 220K	5% 1/10W
R73	1-216-025-00	METAL GLAZE 100	5% 1/10W
R74	1-216-043-91	METAL GLAZE 560	5% 1/10W
R75	1-216-033-00	METAL GLAZE 220	5% 1/10W
R76	1-216-025-00	METAL GLAZE 100	5% 1/10W
R77	1-216-295-00	CONDUCTOR, CHIP	
R78	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R79	1-216-635-11	METAL CHIP 220	0.50% 1/10W
R80	1-216-635-11	METAL CHIP 220	0.50% 1/10W
R83	1-216-067-00	METAL GLAZE 5.6K	5% 1/10W
R84	1-216-045-00	METAL GLAZE 680	5% 1/10W
R85	1-216-295-00	CONDUCTOR, CHIP	
R86	1-216-037-00	METAL GLAZE 330	5% 1/10W
R87	1-216-031-00	METAL GLAZE 180	5% 1/10W
R88	1-216-043-91	METAL GLAZE 560	5% 1/10W
R89	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R90	1-216-067-00	METAL GLAZE 5.6K	5% 1/10W
R91	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R92	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R93	1-216-295-00	CONDUCTOR, CHIP	
R94	1-216-043-91	METAL GLAZE 560	5% 1/10W
R95	1-216-043-91	METAL GLAZE 560	5% 1/10W
R96	1-216-025-00	METAL GLAZE 100	5% 1/10W
R97	1-216-025-00	METAL GLAZE 100	5% 1/10W
R99	1-216-045-00	METAL GLAZE 680	5% 1/10W
R100	1-216-295-00	CONDUCTOR, CHIP	
R101	1-216-033-00	METAL GLAZE 220	5% 1/10W
R102	1-216-089-00	METAL GLAZE 47K	5% 1/10W
R103	1-216-025-00	METAL GLAZE 100	5% 1/10W
R105	1-216-025-00	METAL GLAZE 100	5% 1/10W
R106	1-216-025-00	METAL GLAZE 100	5% 1/10W
R107	1-216-089-00	METAL GLAZE 47K	5% 1/10W
R108	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R109	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R110	1-216-025-00	METAL GLAZE 100	5% 1/10W
R111	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R113	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R116	1-216-041-00	METAL GLAZE 470	5% 1/10W
R117	1-216-048-00	METAL GLAZE 910	5% 1/10W
R118	1-216-025-00	METAL GLAZE 100	5% 1/10W
R119	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R120	1-216-295-00	CONDUCTOR, CHIP	
R121	1-216-041-00	METAL GLAZE 470	5% 1/10W
R122	1-216-025-00	METAL GLAZE 100	5% 1/10W
R123	1-216-295-00	CONDUCTOR, CHIP	
R124	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R127	1-216-025-00	METAL GLAZE 100	5% 1/10W
R128	1-216-025-00	METAL GLAZE 100	5% 1/10W
R129	1-216-025-00	METAL GLAZE 100	5% 1/10W
R130	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R131	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R132	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R133	1-216-025-00	METAL GLAZE 100	5% 1/10W
R134	1-216-025-00	METAL GLAZE 100	5% 1/10W
R135	1-216-025-00	METAL GLAZE 100	5% 1/10W
R136	1-216-025-00	METAL GLAZE 100	5% 1/10W
R137	1-216-025-00	METAL GLAZE 100	5% 1/10W
R138	1-216-041-00	METAL GLAZE 470	5% 1/10W
R139	1-216-025-00	METAL GLAZE 100	5% 1/10W
R140	1-216-085-00	METAL GLAZE 33K	5% 1/10W

REF. NO.	PART NO.	DESCRIPTION	REMARK
R141	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R142	1-216-075-00	METAL GLAZE 12K	5% 1/10W
R143	1-216-025-00	METAL GLAZE 100	5% 1/10W
R144	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R145	1-216-025-00	METAL GLAZE 100	5% 1/10W
R146	1-216-041-00	METAL GLAZE 470	5% 1/10W
R147	1-216-025-00	METAL GLAZE 100	5% 1/10W
R148	1-216-047-91	METAL GLAZE 820	5% 1/10W
R149	1-216-025-00	METAL GLAZE 100	5% 1/10W
R150	1-216-025-00	METAL GLAZE 100	5% 1/10W
R151	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R153	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R154	1-216-089-00	METAL GLAZE 47K	5% 1/10W
R156	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R157	1-216-025-00	METAL GLAZE 100	5% 1/10W
R158	1-216-041-00	METAL GLAZE 470	5% 1/10W
R159	1-216-043-91	METAL GLAZE 560	5% 1/10W
R162	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R163	1-216-079-00	METAL GLAZE 18K	5% 1/10W
R164	1-216-079-00	METAL GLAZE 18K	5% 1/10W
R165	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R166	1-216-083-00	METAL GLAZE 27K	5% 1/10W
R167	1-216-033-00	METAL GLAZE 220	5% 1/10W
R169	1-216-025-00	METAL GLAZE 100	5% 1/10W
R170	1-216-025-00	METAL GLAZE 100	5% 1/10W
R171	1-216-025-00	METAL GLAZE 100	5% 1/10W
R172	1-216-039-00	METAL GLAZE 390	5% 1/10W
R173	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R174	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R175	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R176	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R177	1-216-025-00	METAL GLAZE 100	5% 1/10W
R178	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R179	1-216-033-00	METAL GLAZE 220	5% 1/10W
R180	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R181	1-216-025-00	METAL GLAZE 100	5% 1/10W
R183	1-216-091-00	METAL GLAZE 56K	5% 1/10W
R184	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R185	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R186	1-216-039-00	METAL GLAZE 390	5% 1/10W
R187	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R188	1-216-043-91	METAL GLAZE 560	5% 1/10W
R189	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R190	1-216-025-00	METAL GLAZE 100	5% 1/10W
R191	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R192	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R193	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R194	1-216-025-00	METAL GLAZE 100	5% 1/10W
R195	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R196	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R197	1-216-025-00	METAL GLAZE 100	5% 1/10W
R198	1-216-025-00	METAL GLAZE 100	5% 1/10W
R199	1-216-025-00	METAL GLAZE 100	5% 1/10W
R201	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R202	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R203	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R204	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R205	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R206	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R207	1-216-025-00	METAL GLAZE 100	5% 1/10W
R208	1-216-022-00	METAL GLAZE 75	5% 1/10W
R209	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R210	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R211	1-216-063-91	METAL GLAZE 3.9K	5% 1/10W
R212	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R213	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R214	1-216-033-00	METAL GLAZE 220	5% 1/10W
R215	1-216-041-00	METAL GLAZE 470	5% 1/10W
R216	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W

REF. NO.	PART NO.	DESCRIPTION		REMARK
R217	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W
R218	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W
R219	1-216-025-00	METAL GLAZE 100	5%	1/10W
R220	1-216-049-00	METAL GLAZE 1K	5%	1/10W
R221	1-216-033-00	METAL GLAZE 220	5%	1/10W
R222	1-216-041-00	METAL GLAZE 470	5%	1/10W
R223	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R224	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R225	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W
R226	1-216-063-91	METAL GLAZE 3.9K	5%	1/10W
R227	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R228	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R229	1-216-089-00	METAL GLAZE 47K	5%	1/10W
R230	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R231	1-216-033-00	METAL GLAZE 220	5%	1/10W
R232	1-216-041-00	METAL GLAZE 470	5%	1/10W
R233	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W
R234	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W
R235	1-216-025-00	METAL GLAZE 100	5%	1/10W
R236	1-216-033-00	METAL GLAZE 220	5%	1/10W
R237	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R238	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R239	1-216-295-00	CONDUCTOR, CHIP		
R240	1-216-033-00	METAL GLAZE 220	5%	1/10W
R241	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R242	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W
R243	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R244	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R245	1-216-049-00	METAL GLAZE 1K	5%	1/10W
R247	1-216-063-91	METAL GLAZE 3.9K	5%	1/10W
R248	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R249	1-216-025-00	METAL GLAZE 100	5%	1/10W
R250	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R251	1-216-041-00	METAL GLAZE 470	5%	1/10W
R252	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R253	1-216-025-00	METAL GLAZE 100	5%	1/10W
R255	1-216-049-00	METAL GLAZE 1K	5%	1/10W
R256	1-216-025-00	METAL GLAZE 100	5%	1/10W
R257	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R258	1-216-025-00	METAL GLAZE 100	5%	1/10W
R259	1-216-033-00	METAL GLAZE 220	5%	1/10W
R260	1-216-033-00	METAL GLAZE 220	5%	1/10W
R261	1-216-025-00	METAL GLAZE 100	5%	1/10W
R262	1-216-025-00	METAL GLAZE 100	5%	1/10W
R263	1-216-033-00	METAL GLAZE 220	5%	1/10W
R264	1-216-033-00	METAL GLAZE 220	5%	1/10W
R266	1-216-037-00	METAL GLAZE 330	5%	1/10W
R267	1-216-053-00	METAL GLAZE 1.5K	5%	1/10W
R268	1-216-043-91	METAL GLAZE 560	5%	1/10W
R269	1-216-049-00	METAL GLAZE 1K	5%	1/10W
R270	1-216-025-00	METAL GLAZE 100	5%	1/10W
R271	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R272	1-216-025-00	METAL GLAZE 100	5%	1/10W
R273	1-216-049-00	METAL GLAZE 1K	5%	1/10W
R274	1-216-049-00	METAL GLAZE 1K	5%	1/10W
R275	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R276	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R277	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R278	1-216-037-00	METAL GLAZE 330	5%	1/10W
R279	1-216-295-00	CONDUCTOR, CHIP		
R280	1-216-013-00	METAL GLAZE 33	5%	1/10W
R281	1-216-025-00	METAL GLAZE 100	5%	1/10W
R282	1-216-025-00	METAL GLAZE 100	5%	1/10W
R283	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R284	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R285	1-216-295-00	CONDUCTOR, CHIP		
R286	1-216-033-00	METAL GLAZE 220	5%	1/10W
R287	1-216-085-00	METAL GLAZE 33K	5%	1/10W

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REF. NO.	PART NO.	DESCRIPTION	REMARK
R288	1-216-013-00	METAL GLAZE 33	5% 1/10W
R290	1-216-041-00	METAL GLAZE 470	5% 1/10W
R291	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R292	1-208-822-11	METAL CHIP 47K	0.50% 1/10W
R293	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R294	1-216-033-00	METAL GLAZE 220	5% 1/10W
R296	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R297	1-216-037-00	METAL GLAZE 330	5% 1/10W
R298	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R299	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R300	1-216-085-00	METAL GLAZE 33K	5% 1/10W
R302	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R305	1-216-035-00	METAL GLAZE 270	5% 1/10W
R306	1-216-085-00	METAL GLAZE 33K	5% 1/10W
R307	1-216-033-00	METAL GLAZE 220	5% 1/10W
R309	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R310	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R311	1-216-033-00	METAL GLAZE 220	5% 1/10W
R312	1-216-037-00	METAL GLAZE 330	5% 1/10W
R313	1-216-025-00	METAL GLAZE 100	5% 1/10W
R314	1-216-025-00	METAL GLAZE 100	5% 1/10W
R315	1-216-025-00	METAL GLAZE 100	5% 1/10W
R316	1-216-025-00	METAL GLAZE 100	5% 1/10W
R317	1-216-025-00	METAL GLAZE 100	5% 1/10W
R318	1-216-025-00	METAL GLAZE 100	5% 1/10W
R319	1-216-025-00	METAL GLAZE 100	5% 1/10W
R320	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R321	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R322	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R323	1-216-025-00	METAL GLAZE 100	5% 1/10W
R324	1-216-025-00	METAL GLAZE 100	5% 1/10W
R325	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R327	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R328	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R329	1-216-085-00	METAL GLAZE 33K	5% 1/10W
R330	1-218-756-11	METAL CHIP 150K	0.50% 1/10W
R331	1-216-025-00	METAL GLAZE 100	5% 1/10W
R332	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R333	1-216-067-00	METAL GLAZE 5.6K	5% 1/10W
R334	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R335	1-216-039-00	METAL GLAZE 390	5% 1/10W
R336	1-216-033-00	METAL GLAZE 220	5% 1/10W
R337	1-216-025-00	METAL GLAZE 100	5% 1/10W
R338	1-216-025-00	METAL GLAZE 100	5% 1/10W
R339	1-216-039-00	METAL GLAZE 390	5% 1/10W
R340	1-216-039-00	METAL GLAZE 390	5% 1/10W
R341	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R342	1-216-039-00	METAL GLAZE 390	5% 1/10W
R343	1-216-043-91	METAL GLAZE 560	5% 1/10W
R344	1-216-045-00	METAL GLAZE 680	5% 1/10W
R345	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R346	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R347	1-208-845-11	METAL GLAZE 1M	5% 1/10W
R348	1-218-754-11	METAL CHIP 120K	0.50% 1/10W
R349	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R350	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R351	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R352	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R353	1-216-033-00	METAL GLAZE 220	5% 1/10W
R354	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R355	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R356	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R358	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R359	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R360	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R361	1-216-041-00	METAL GLAZE 470	5% 1/10W
R362	1-216-041-00	METAL GLAZE 470	5% 1/10W
R363	1-216-049-00	METAL GLAZE 1K	5% 1/10W

REF. NO.	PART NO.	DESCRIPTION	REMARK
R364	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R365	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R366	1-216-689-11	METAL GLAZE 39K	5% 1/10W
R367	1-216-025-00	METAL GLAZE 100	5% 1/10W
R368	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R369	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R370	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R371	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R372	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R373	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R374	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R375	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R376	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R377	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R378	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R379	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R380	1-216-043-91	METAL GLAZE 560	5% 1/10W
R381	1-216-043-91	METAL GLAZE 560	5% 1/10W
R382	1-216-043-91	METAL GLAZE 560	5% 1/10W
R383	1-216-041-00	METAL GLAZE 470	5% 1/10W
R384	1-216-041-00	METAL GLAZE 470	5% 1/10W
R385	1-216-061-00	METAL GLAZE 3.3K	5% 1/10W
R386	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R387	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R388	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R389	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R390	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R391	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R392	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R393	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R394	1-216-025-00	METAL GLAZE 100	5% 1/10W
R395	1-216-047-91	METAL GLAZE 820	5% 1/10W
R396	1-216-047-91	METAL GLAZE 820	5% 1/10W
R397	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R398	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R399	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R400	1-216-025-00	METAL GLAZE 100	5% 1/10W
R401	1-216-025-00	METAL GLAZE 100	5% 1/10W
R402	1-216-025-00	METAL GLAZE 100	5% 1/10W
R403	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R404	1-216-107-00	METAL GLAZE 270K	5% 1/10W
R406	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R407	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R408	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R409	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R410	1-216-047-91	METAL GLAZE 820	5% 1/10W
R411	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R412	1-216-295-00	CONDUCTOR, CHIP	5% 1/10W
R413	1-216-025-00	METAL GLAZE 100	5% 1/10W
R414	1-216-025-00	METAL GLAZE 100	5% 1/10W
R415	1-216-047-91	METAL GLAZE 820	5% 1/10W
R416	1-216-043-91	METAL GLAZE 560	5% 1/10W
R417	1-216-045-00	METAL GLAZE 680	5% 1/10W
R418	1-216-081-00	METAL GLAZE 2.2K	5% 1/10W
R419	1-216-001-00	METAL GLAZE 10	5% 1/10W
R420	1-216-025-00	METAL GLAZE 100	5% 1/10W
R421	1-216-295-00	CONDUCTOR, CHIP	5% 1/10W
R422	1-216-041-00	METAL GLAZE 470	5% 1/10W
R423	1-216-041-00	METAL GLAZE 470	5% 1/10W
R424	1-216-037-00	METAL GLAZE 330	5% 1/10W
R425	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R426	1-216-037-00	METAL GLAZE 330	5% 1/10W
R427	1-216-025-00	METAL GLAZE 100	5% 1/10W
R428	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R429	1-216-041-00	METAL GLAZE 470	5% 1/10W
R430	1-216-045-00	METAL GLAZE 680	5% 1/10W
R431	1-216-041-00	METAL GLAZE 470	5% 1/10W
R432	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R433	1-249-399-11	CARBON 33	5% 1/4W F

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REF. NO.	PART NO.	DESCRIPTION	REMARK
R434	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R435	1-216-035-00	METAL GLAZE 270	5% 1/10W
R436	1-216-037-00	METAL GLAZE 330	5% 1/10W
R437	1-216-039-00	METAL GLAZE 390	5% 1/10W
R438	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R439	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R440	1-216-031-00	METAL GLAZE 180	5% 1/10W
R441	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R442	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R443	1-216-033-00	METAL GLAZE 220	5% 1/10W
R444	1-216-033-00	METAL GLAZE 220	5% 1/10W
R445	1-216-061-00	METAL GLAZE 3.3K	5% 1/10W
R446	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R447	1-249-389-11	CARBON 4.7	5% 1/4W F
R448	1-216-005-00	METAL GLAZE 15	5% 1/10W
R449	1-216-071-00	METAL GLAZE 8.2K	5% 1/10W
R450	1-216-039-00	METAL GLAZE 390	5% 1/10W
R451	1-216-041-00	METAL GLAZE 470	5% 1/10W
R452	1-216-025-00	METAL GLAZE 100	5% 1/10W
R453	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R454	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R455	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R456	1-216-061-00	METAL GLAZE 3.3K	5% 1/10W
R457	1-216-025-00	METAL GLAZE 100	5% 1/10W
R458	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R459	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R460	1-216-071-00	METAL GLAZE 8.2K	5% 1/10W
R461	1-216-041-00	METAL GLAZE 470	5% 1/10W
R462	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R463	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R464	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R465	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R466	1-216-041-00	METAL GLAZE 470	5% 1/10W
R467	1-216-047-91	METAL GLAZE 820	5% 1/10W
R468	1-216-047-91	METAL GLAZE 820	5% 1/10W
R469	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R470	1-249-389-11	CARBON 4.7	5% 1/4W F
R471	1-216-113-00	METAL GLAZE 470K	5% 1/10W
R472	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R473	1-216-033-00	METAL GLAZE 220	5% 1/10W
R474	1-216-045-00	METAL GLAZE 680	5% 1/10W
R475	1-216-041-00	METAL GLAZE 470	5% 1/10W
R476	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R477	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R478	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R480	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R481	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R482	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R483	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R484	1-216-045-00	METAL GLAZE 680	5% 1/10W
R486	1-216-033-00	METAL GLAZE 220	5% 1/10W
R487	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R488	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R489	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R492	1-216-295-00	CONDUCTOR, CHIP	5% 1/10W
R493	1-216-033-00	METAL GLAZE 220	5% 1/10W
R494	1-216-067-00	METAL GLAZE 5.6K	5% 1/10W
R495	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R496	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R497	1-216-079-00	METAL GLAZE 18K	5% 1/10W
R498	1-216-113-00	METAL GLAZE 470K	5% 1/10W
R499	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R500	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R501	1-216-091-00	METAL GLAZE 56K	5% 1/10W
R502	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R503	1-216-089-00	METAL GLAZE 47K	5% 1/10W
R504	1-216-079-00	METAL GLAZE 18K	5% 1/10W
R505	1-216-091-00	METAL GLAZE 56K	5% 1/10W

REF. NO.	PART NO.	DESCRIPTION		REMARK
R506	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R507	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R508	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R509	1-216-067-00	METAL GLAZE 5.6K	5%	1/10W
R510	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R511	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R512	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R513	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R514	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R515	1-216-049-00	METAL GLAZE 1K	5%	1/10W
R516	1-216-113-00	METAL GLAZE 470K	5%	1/10W
R517	1-216-295-00	CONDUCTOR, CHIP		
R519	1-216-113-00	METAL GLAZE 470K	5%	1/10W
R520	1-216-089-00	METAL GLAZE 47K	5%	1/10W
R521	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R522	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R527	1-216-295-00	CONDUCTOR, CHIP		
R528	1-216-295-00	CONDUCTOR, CHIP		
R538	1-216-079-00	METAL GLAZE 18K	5%	1/10W
R539	1-216-079-00	METAL GLAZE 18K	5%	1/10W
R540	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R541	1-216-097-00	METAL GLAZE 100K	5%	1/10W
R542	1-208-845-11	METAL GLAZE 1M	5%	1/10W
R543	1-216-045-00	METAL GLAZE 680	5%	1/10W
R544	1-216-295-00	CONDUCTOR, CHIP		
R546	1-216-033-00	METAL GLAZE 220	5%	1/10W
R547	1-216-001-00	METAL GLAZE 10	5%	1/10W
R548	1-216-077-00	METAL GLAZE 15K	5%	1/10W
R551	1-216-077-00	METAL GLAZE 15K	5%	1/10W
R553	1-216-077-00	METAL GLAZE 15K	5%	1/10W
R554	1-216-295-00	CONDUCTOR, CHIP		
R555	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R556	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R558	1-216-049-00	METAL GLAZE 1K	5%	1/10W
R559	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R561	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R562	1-216-049-00	METAL GLAZE 1K	5%	1/10W
R563	1-249-402-11	CARBON 56	5%	1/4W F
R564	1-216-295-00	CONDUCTOR, CHIP		
R565	1-216-049-00	METAL GLAZE 1K	5%	1/10W
R566	1-216-061-00	METAL GLAZE 33K	5%	1/10W
R568	1-216-295-00	CONDUCTOR, CHIP		
R569	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R574	1-216-049-00	METAL GLAZE 1K	5%	1/10W
R575	1-216-049-00	METAL GLAZE 1K	5%	1/10W
R576	1-249-397-11	CARBON 22	5%	1/4W F
R577	1-249-397-11	CARBON 22	5%	1/4W F
R578	1-216-049-00	METAL GLAZE 1K	5%	1/10W
R579	1-216-035-00	METAL GLAZE 270	5%	1/10W
R580	1-216-035-00	METAL GLAZE 270	5%	1/10W
R581	1-216-035-00	METAL GLAZE 270	5%	1/10W
R582	1-216-049-00	METAL GLAZE 1K	5%	1/10W
R583	1-216-035-00	METAL GLAZE 270	5%	1/10W
R584	1-216-035-00	METAL GLAZE 270	5%	1/10W
R585	1-216-035-00	METAL GLAZE 270	5%	1/10W
R588	1-216-089-00	METAL GLAZE 47K	5%	1/10W
R589	1-216-041-00	METAL GLAZE 470	5%	1/10W
R590	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R591	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R601	1-216-043-91	METAL GLAZE 560	5%	1/10W
R602	1-216-075-00	METAL GLAZE 12K	5%	1/10W
R603	1-216-091-00	METAL GLAZE 56K	5%	1/10W
R604	1-216-025-00	METAL GLAZE 100	5%	1/10W
R605	1-216-025-00	METAL GLAZE 100	5%	1/10W
R606	1-216-049-00	METAL GLAZE 1K	5%	1/10W
R607	1-216-025-00	METAL GLAZE 100	5%	1/10W
R608	1-216-109-00	METAL GLAZE 330K	5%	1/10W
R609	1-216-049-00	METAL GLAZE 1K	5%	1/10W



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REF. NO.	PART NO.	DESCRIPTION	REMARK
R610	1-216-045-00	METAL GLAZE 680	5% 1/10W
R611	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R612	1-216-085-00	METAL GLAZE 33K	5% 1/10W
R613	1-216-295-00	CONDUCTOR, CHIP	
R614	1-216-295-00	CONDUCTOR, CHIP	
R615	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R616	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R617	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R618	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R619	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R620	1-216-674-11	METAL CHIP 9.1K	0.50% 1/10W
R621	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R622	1-216-075-00	METAL GLAZE 12K	5% 1/10W
R623	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R624	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R625	1-216-651-11	METAL CHIP 1K	0.50% 1/10W
R627	1-216-071-00	METAL GLAZE 8.2K	5% 1/10W
R628	1-216-677-11	METAL CHIP 12K	0.50% 1/10W
R629	1-216-077-00	METAL GLAZE 15K	5% 1/10W
R630	1-216-077-00	METAL GLAZE 15K	5% 1/10W
R631	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R632	1-216-687-11	METAL CHIP 33K	0.50% 1/10W
R633	1-216-651-11	METAL CHIP 1K	0.50% 1/10W
R634	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R635	1-216-025-00	METAL GLAZE 100	5% 1/10W
R636	1-216-295-00	CONDUCTOR, CHIP	
R640	1-216-025-00	METAL GLAZE 100	5% 1/10W
R182M	1-216-089-00	METAL GLAZE 47K	5% 1/10W
R4102	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R4103	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R4104	1-216-025-00	METAL GLAZE 100	5% 1/10W
R4105	1-216-025-00	METAL GLAZE 100	5% 1/10W
R4106	1-216-025-00	METAL GLAZE 100	5% 1/10W
R4107	1-216-025-00	METAL GLAZE 100	5% 1/10W
R4108	1-216-025-00	METAL GLAZE 100	5% 1/10W
R4109	1-216-025-00	METAL GLAZE 100	5% 1/10W
R4110	1-216-033-00	METAL GLAZE 220	5% 1/10W
R4111	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R4112	1-216-295-00	CONDUCTOR, CHIP	
R4113	1-216-295-00	CONDUCTOR, CHIP	
R4114	1-216-105-00	METAL GLAZE 220K	5% 1/10W
R4115	1-216-105-00	METAL GLAZE 220K	5% 1/10W
R4116	1-216-105-00	METAL GLAZE 220K	5% 1/10W
R4117	1-216-105-00	METAL GLAZE 220K	5% 1/10W
R4118	1-216-025-00	METAL GLAZE 100	5% 1/10W
R4119	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R4120	1-216-033-00	METAL GLAZE 220	5% 1/10W
R4121	1-216-033-00	METAL GLAZE 220	5% 1/10W
R4123	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R4124	1-216-033-00	METAL GLAZE 220	5% 1/10W
R4124	1-216-035-00	METAL GLAZE 270	5% 1/10W
R4125	1-216-035-00	METAL GLAZE 220	5% 1/10W
R4125	1-216-035-00	METAL GLAZE 270	5% 1/10W
R4126	1-216-035-00	METAL GLAZE 270	5% 1/10W
R4127	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R4128	1-216-045-00	METAL GLAZE 680	5% 1/10W
R4129	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R4130	1-216-107-00	METAL GLAZE 270K	5% 1/10W
R4131	1-216-073-00	METAL GLAZE 10K	5% 1/10W
<VARIABLE RESISTOR>			
RV1	1-241-769-11	RES, ADJ, CARBON 470K	
RV2	1-241-769-11	RES, ADJ, CARBON 470K	
RV601	1-241-763-11	RES, ADJ, CERMET 4.7K	
<CRYSTAL>			
X1	1-567-505-11	OSCILLATOR, CRYSTAL	

REF. NO.	PART NO.	DESCRIPTION	REMARK
X2	1-567-504-11	OSCILLATOR, CRYSTAL	
X3	1-567-505-11	OSCILLATOR, CRYSTAL	
X4	1-567-504-11	OSCILLATOR, CRYSTAL	
X5	1-760-095-21	VIBRATOR, CRYSTAL	
X201	1-760-509-21	VIBRATOR, CRYSTAL	
X202	1-760-180-11	VIBRATOR, CRYSTAL	
X203	1-579-977-21	VIBRATOR, CRYSTAL	
*****			
* A-1620-082-A B2 BOARD, COMPLETE (French only)			
*****			
<CAPACITOR>			
C3501	1-126-967-11	ELECT 47MF 20% 16V	
C3502	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C3503	1-164-005-11	CERAMIC CHIP 0.47MF 25V	
C3504	1-163-239-11	CERAMIC CHIP 33PF 5% 50V	
C3505	1-163-143-00	CERAMIC CHIP 0.0012MF 5% 50V	
C3506	1-163-121-00	CERAMIC CHIP 150PF 5% 50V	
C3507	1-163-145-00	CERAMIC CHIP 0.0015MF 5% 50V	
C3508	1-163-127-00	CERAMIC CHIP 270PF 5% 50V	
C3509	1-164-004-11	CERAMIC CHIP 0.1MF 20% 25V	
C3510	1-126-935-11	ELECT 470MF 10% 16V	
C3512	1-124-925-11	ELECT 2.2MF 20% 50V	
C3513	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C3514	1-163-037-71	CERAMIC CHIP 0.022MF 10% 50V	
C3515	1-163-031-11	CERAMIC CHIP 0.01MF 50V	
C3516	1-124-903-11	ELECT 1MF 20% 50V	
C3517	1-126-965-11	ELECT 22MF 20% 50V	
C3518	1-164-004-11	CERAMIC CHIP 0.1MF 20% 25V	
C3519	1-126-963-11	ELECT 4.7MF 20% 50V	
C3520	1-163-237-11	CERAMIC CHIP 27PF 5% 50V	
C3521	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C3522	1-163-253-11	CERAMIC CHIP 120PF 5% 50V	
C3523	1-126-967-11	ELECT 47MF 20% 16V	
C3524	1-163-009-11	CERAMIC CHIP 0.001MF 10% 50V	
C3525	1-163-237-11	CERAMIC CHIP 27PF 5% 50V	
C3526	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C3527	1-163-037-71	CERAMIC CHIP 0.022MF 10% 50V	
C3528	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C3529	1-163-011-11	CERAMIC CHIP 0.0015MF 10% 50V	
C3530	1-163-001-11	CERAMIC CHIP 220PF 10% 50V	
C3531	1-163-123-00	CERAMIC CHIP 180PF 5% 50V	
C3532	1-163-037-71	CERAMIC CHIP 0.022MF 10% 50V	
C3535	1-163-031-11	CERAMIC CHIP 0.01MF 5% 50V	
C3536	1-163-133-00	CERAMIC CHIP 470PF 5% 50V	
<CONNECTOR>			
CN3501	*1-564-511-11	PLUG, CONNECTOR 8P	
<DIODE>			
D3502	8-719-914-43	DIODE DAN20ZK	
<IC>			
IC3501	8-759-181-19	IC TDA2579B	
IC3502	8-759-521-22	IC TDA4650/V4	
IC3503	8-759-140-53	IC uPD4053BC	
<CHIP CONDUCTOR>			
JR3501	1-216-295-00	CONDUCTOR, CHIP	
JR3502	1-216-295-00	CONDUCTOR, CHIP	

REF. NO.	PART NO.	DESCRIPTION	REMARK
<COIL>			
L3501	1-408-417-00	INDUCTOR 47UH	
L3502	1-408-417-00	INDUCTOR 47UH	
L3503	1-404-554-11	COIL	
L3504	1-408-421-00	INDUCTOR 100UH	
L3505	1-404-554-11	COIL	
<TRANSISTOR>			
Q3501	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3502	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3505	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3506	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3507	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3508	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3509	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3510	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q3511	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
<RESISTOR>			
R3501	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R3502	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R3503	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R3504	1-216-047-91	METAL GLAZE 820 5% 1/10W	
R3505	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R3506	1-216-687-11	METAL CHIP 33K 0.50% 1/10W	
R3507	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
R3508	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R3510	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R3511	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R3512	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R3513	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R3515	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R3516	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R3517	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
R3518	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R3519	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R3520	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R3521	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R3522	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R3523	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R3524	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R3525	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R3526	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R3527	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R3528	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R3529	1-216-063-91	METAL GLAZE 3.9K 5% 1/10W	
R3530	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R3531	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R3532	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R3533	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R3534	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R3537	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R3538	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R3539	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R3540	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R3541	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
<VARIABLE RESISTOR>			
RV3501	1-241-763-11	RES, ADJ, CERMET 4.7K	

REF. NO.	PART NO.	DESCRIPTION	REMARK
* A-1632-472-A A BOARD, COMPLETE			
*****			
4-365-216-00		SPACER, MICA	
4-382-854-11		SCREW (M3X10), P. 5W (+)	
<CAPACITOR>			
C1001	1-162-114-00	CERAMIC 0.0047MF	2KV
C1002	1-107-637-11	ELECT 22MF	20% 160V
C1003	1-162-116-00	CERAMIC 680PF	10% 2KV
C1004	1-107-368-11	FILM 0.047MF	10% 200V
C1005	1-136-076-00	FILM 0.0085MF	3% 2KV
C1006	1-137-391-11	FILM 0.0047MF	5% 100V
C1007	1-124-902-00	ELECT 0.47MF	20% 50V
C1008	1-102-973-00	CERAMIC 100PF	5% 50V
C1009	1-136-598-11	FILM 3MF	5% 200V
C1010	1-102-030-00	CERAMIC 330PF	10% 500V
C1011	1-137-399-11	FILM 0.1MF	5% 50V
C1012	1-136-105-00	FILM 0.33MF	5% 200V
C1013	1-124-903-11	ELECT 1MF	20% 50V
C1014	1-107-368-11	FILM 0.047MF	10% 200V
C1015	1-136-756-11	FILM 0.24MF	5% 200V
C1016	1-107-638-11	ELECT 33MF	20% 160V
C1017	1-128-551-11	ELECT 22MF	20% 25V
C1018	1-128-551-11	ELECT 22MF	20% 25V
C1019	1-123-024-21	ELECT 33MF	160V
C1020	1-136-165-00	FILM 0.1MF	5% 50V
C1021	1-137-370-11	FILM 0.01MF	5% 50V
C1023	1-126-967-11	ELECT 47MF	20% 16V
C1025	1-126-967-11	ELECT 47MF	20% 16V
C1026	1-102-121-00	CERAMIC 0.0022MF	10% 50V
C1027	1-136-105-00	FILM 0.33MF	5% 200V
C1028	1-126-967-11	ELECT 47MF	20% 16V
C1029	1-164-096-11	CERAMIC 0.01MF	50V
C1033	1-126-967-11	ELECT 47MF	20% 16V
C1034	1-102-121-00	CERAMIC 0.0022MF	10% 50V
C1035	1-126-967-11	ELECT 47MF	20% 16V
C1036	1-126-933-11	ELECT 100MF	20% 16V
C1037	1-126-967-11	ELECT 47MF	20% 16V
C1038	1-126-967-11	ELECT 47MF	20% 16V
C1039	1-102-121-00	CERAMIC 0.0022MF	10% 50V
C1040	1-126-967-11	ELECT 47MF	20% 16V
C1041	1-126-967-11	ELECT 47MF	20% 16V
C1042	1-104-664-11	ELECT 47MF	20% 25V
C1043	1-101-002-00	CERAMIC 0.0022MF	50V
C1044	1-101-002-00	CERAMIC 0.0022MF	50V
C1045	1-126-967-11	ELECT 47MF	20% 16V
C1046	1-126-963-11	ELECT 4.7MF	20% 50V
C1047	1-101-002-00	CERAMIC 0.0022MF	50V
C1048	1-126-967-11	ELECT 47MF	20% 16V
C1049	1-104-664-11	ELECT 47MF	20% 25V
C1050	1-101-002-00	CERAMIC 0.0022MF	50V
C1051	1-104-664-11	ELECT 47MF	20% 25V
C1052	1-126-967-11	ELECT 47MF	20% 16V
C1054	1-126-967-11	ELECT 47MF	20% 50V
C1055	1-124-903-11	ELECT 1MF	20% 50V
C1056	1-128-551-11	ELECT 22MF	20% 25V
C1061	1-126-967-11	ELECT 47MF	20% 16V
C1064	1-126-967-11	ELECT 47MF	20% 16V
C1079	1-163-263-11	CERAMIC CHIP 330PF	5% 50V
C1080	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C1081	1-128-551-11	ELECT 22MF	20% 25V
C1082	1-128-551-11	ELECT 22MF	20% 25V
C1083	1-164-096-11	CERAMIC 0.01MF	50V
C1084	1-126-963-11	ELECT 4.7MF	20% 50V
C1085	1-164-096-11	CERAMIC 0.01MF	50V
C1086	1-164-096-11	CERAMIC 0.01MF	50V
C1087	1-164-096-11	CERAMIC 0.01MF	50V

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REF. NO.	PART NO.	DESCRIPTION	REMARK
C1088	1-164-096-11	CERAMIC 0.01MF	50V
C1089	1-164-096-11	CERAMIC 0.01MF	50V
C1090	1-162-116-00	CERAMIC 680PF	10% 2KV
C3201	1-126-964-11	ELECT 10MF	20% 50V
C3202	1-126-964-11	ELECT 10MF	20% 50V
C3203	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C3204	1-126-967-11	ELECT 47MF	20% 16V
C3205	1-126-301-11	ELECT 1MF	20% 50V
C3206	1-126-967-11	ELECT 47MF	20% 16V
C3207	1-128-550-11	ELECT 2200MF	20% 50V
C3208	1-128-550-11	ELECT 2200MF	20% 50V
C3209	1-136-165-00	FILM 0.1MF	5% 50V
C3210	1-136-165-00	FILM 0.1MF	5% 50V
C3211	1-136-165-00	FILM 0.1MF	5% 50V
C3212	1-136-165-00	FILM 0.1MF	5% 50V
C3213	1-107-715-11	ELECT 22MF	20% 50V
C3214	1-126-969-11	ELECT 22MF	20% 50V
C3215	1-126-965-11	ELECT 22MF	20% 50V
C3216	1-124-925-11	ELECT 2.2MF	20% 50V
<CONNECTOR>			
CN1001	* 1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P	
CN1002	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P	
CN1003	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P	
CN1004	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P	
CN1005	* 1-695-915-11	TAB (CONTACT)	
CN1006	* 1-564-509-11	PLUG, CONNECTOR 6P	
CN1008	* 1-508-765-00	PIN, CONNECTOR (5mm PITCH) 3P	
CN1009	* 1-508-768-00	PIN, CONNECTOR (5mm PITCH) 6P	
CN1010	* 1-564-509-11	PLUG, CONNECTOR 6P	
CN1011	* 1-564-509-11	PLUG, CONNECTOR 6P	
CN1013	* 1-564-515-11	PLUG, CONNECTOR 12P	
CN1015	* 1-564-506-11	PLUG, CONNECTOR 3P	
CN1016	* 1-695-298-11	CONNECTOR, BOARD TO BOARD 40P	
CN3201	* 1-564-510-11	PLUG, CONNECTOR 7P	
CN3202	* 1-508-766-00	PIN, CONNECTOR (5mm PITCH) 4P	
CN3203	* 1-564-507-11	PLUG, CONNECTOR 4P	
<DIODE>			
D1001	8-719-018-82	DIODE RGP02-20EL-6394	
D1002	8-719-300-80	DIODE RU-1C	
D1003	8-719-900-95	DIODE V09G	
D1004	8-719-911-19	DIODE ISS119-25	
D1005	8-719-911-19	DIODE ISS119-25	
D1006	8-719-911-19	DIODE ISS119-25	
D1007	8-719-911-19	DIODE ISS119-25	
D1008	8-719-911-19	DIODE ISS119-25	
D1009	8-719-911-19	DIODE ISS119-25	
D1010	8-719-900-95	DIODE V09G	
D1012	8-719-110-78	DIODE RD33ESB2	
D1013	8-719-911-19	DIODE ISS119-25	
D1014	8-719-911-19	DIODE ISS119-25	
D1015	8-719-911-19	DIODE ISS119-25	
D1016	8-719-911-19	DIODE ISS119-25	
D1017	8-719-510-48	DIODE DIN20R	
D1018	8-719-510-48	DIODE DIN20R	
D3201	8-719-914-44	DIODE DAN202K	
D3202	8-719-914-43	DIODE DAN202K	
D3203	8-719-988-72	DIODE SC802-06	
D3204	8-719-914-43	DIODE DAN202K	
D3206	8-719-914-43	DIODE DAN202K	
D3207	8-719-914-43	DIODE DAN202K	
D3209	8-719-914-43	DIODE DAN202K	
D3210	8-719-914-43	DIODE DAN202K	
D3211	8-719-988-72	DIODE SC802-06	

REF. NO.	PART NO.	DESCRIPTION	REMARK
<IC>			
IC1001	8-759-504-46	IC PQ05RF1	
IC1002	8-759-504-46	IC PQ05RF1	
IC1003	8-759-506-12	IC PQ12RF1	
IC1004	8-759-095-63	IC PQ09RF2	
IC1005	8-759-701-88	IC NJM7912FA	
IC1006	8-759-231-53	IC TA7805S	
IC3201	8-759-190-89	IC TDA7265	
<IF BLOCK>			
IF1001	1-467-573-13	IF BLOCK	
<COIL>			
L1001	1-411-189-11	COIL, CHOKE 15mH	
L1002	1-459-769-13	COIL, HORIZONTAL LINEARITY	
L1003	1-408-417-00	INDUCTOR 47UH	
L1004	1-408-417-00	INDUCTOR 47UH	
L1006	1-412-533-21	INDUCTOR 47UH	
L1007	1-408-417-00	INDUCTOR 47UH	
L1009	1-408-417-00	INDUCTOR 47UH	
L1010	1-412-533-21	INDUCTOR 47UH	
<TRANSISTOR>			
Q1001	8-729-021-48	TRANSISTOR 2SD2348LBSONY	
Q1002	8-729-119-80	TRANSISTOR 2SC2688-LK	
Q1003	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q1004	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q1005	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1006	8-729-201-32	TRANSISTOR 2SA1013-O	
Q1007	8-729-201-32	TRANSISTOR 2SA1013-O	
Q1008	8-729-119-78	TRANSISTOR 2SA1175-HFE	
Q1009	8-729-010-98	TRANSISTOR 2SA1492M-OPY	
Q1010	8-729-304-92	TRANSISTOR 2SB649A-C	
Q1011	8-729-029-56	TRANSISTOR DTA144ESA	
Q1012	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1013	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1014	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1015	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q1016	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1017	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1020	8-729-026-41	TRANSISTOR 2SA933AS-QRT	
Q1022	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1023	8-729-030-03	TRANSISTOR DTCL44ESA-TP	
Q1024	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q1025	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1026	8-729-120-28	TRANSISTOR 2SC1623-LSL6	
Q3201	8-729-120-28	TRANSISTOR 2SC1623-LSL6	
Q3204	8-729-120-28	TRANSISTOR 2SC1623-LSL6	
Q3205	8-729-120-28	TRANSISTOR 2SC1623-LSL6	
Q3206	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3207	8-729-120-28	TRANSISTOR 2SC1623-LSL6	
Q3208	8-729-120-28	TRANSISTOR 2SC1623-LSL6	
Q3209	8-729-120-28	TRANSISTOR 2SC1623-LSL6	
Q3210	8-729-120-28	TRANSISTOR 2SC1623-LSL6	
<RESISTOR>			
R1001	1-215-865-11	METAL OXIDE 220	5% 1W F
R1002	1-247-735-11	SOLID 47	20% 1/2W
R1003	1-216-478-11	METAL OXIDE 390	5% 3W F
R1004	1-215-925-11	METAL OXIDE 22K	5% 3W F
R1005	1-215-925-11	METAL OXIDE 22K	5% 3W F
R1006	1-216-373-11	METAL OXIDE 2.2	5% 2W F
R1007	1-249-437-11	CARBON 47K	5% 1/4W
R1009	1-249-427-11	CARBON 6.8K	5% 1/4W F

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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REF. NO.	PART NO.	DESCRIPTION	REMARK
R1010	1-249-417-11	CARBON 1K	5% 1/4W
R1011	1-247-843-11	CARBON 3.3K	5% 1/4W
R1012	1-249-417-11	CARBON 1K	5% 1/4W
R1013	1-215-913-11	METAL OXIDE 220	5% 3W F
R1014	1-215-429-00	METAL 2.2K	1% 1/4W
R1016	1-215-433-00	METAL 3.3K	1% 1/4W
R1017	1-249-425-11	CARBON 4.7K	5% 1/4W
R1018	1-247-895-00	CARBON 470K	5% 1/4W
R1019	1-249-421-11	CARBON 2.2K	5% 1/4W F
R1020	1-249-423-11	CARBON 3.3K	5% 1/4W F
R1021	1-249-425-11	CARBON 4.7K	5% 1/4W F
R1022	1-215-443-00	METAL 8.2K	1% 1/4W
R1023	1-249-421-11	CARBON 2.2K	5% 1/4W
R1024	1-249-417-11	CARBON 1K	5% 1/4W
R1025	1-215-425-00	METAL 1.5K	1% 1/4W
R1026	1-215-925-11	METAL OXIDE 22K	5% 3W F
R1027	1-215-437-00	METAL 4.7K	1% 1/4W
R1028	1-249-417-11	CARBON 1K	5% 1/4W
R1029	1-249-429-11	CARBON 10K	5% 1/4W
R1030	1-249-417-11	CARBON 1K	5% 1/4W F
R1031	1-215-877-11	METAL OXIDE 22K	5% 1W F
R1032	1-249-430-11	CARBON 12K	5% 1/4W F
R1033	1-249-433-11	CARBON 22K	5% 1/4W
R1034	1-247-807-31	CARBON 100	5% 1/4W
R1035	1-249-418-11	CARBON 1.2K	5% 1/4W
R1036	1-249-425-11	CARBON 4.7K	5% 1/4W
R1037	1-249-429-11	CARBON 10K	5% 1/4W
R1038	1-249-429-11	CARBON 10K	5% 1/4W
R1039	1-247-843-11	CARBON 3.3K	5% 1/4W
R1040	1-249-437-11	CARBON 4.7K	5% 1/4W
R1041	1-249-417-11	CARBON 1K	5% 1/4W
R1042	1-249-429-11	CARBON 10K	5% 1/4W
R1043	1-249-425-11	CARBON 4.7K	5% 1/4W
R1044	1-247-807-31	CARBON 100	5% 1/4W
R1045	1-249-417-11	CARBON 1K	5% 1/4W
R1046	1-247-807-31	CARBON 100	5% 1/4W
R1047	1-249-429-11	CARBON 10K	5% 1/4W
R1048	1-247-807-31	CARBON 100	5% 1/4W
R1049	1-249-429-11	CARBON 10K	5% 1/4W
R1052	1-249-417-11	CARBON 1K	5% 1/4W
R1053	1-216-476-11	METAL OXIDE 180	5% 3W F
R1054	1-215-912-11	METAL OXIDE 150	5% 3W F
R1057	1-249-429-11	CARBON 10K	5% 1/4W
R1060	1-247-843-11	CARBON 3.3K	5% 1/4W
R1063	1-249-429-11	CARBON 10K	5% 1/4W
R1064	1-216-389-11	METAL OXIDE 1	5% 3W F
R1065	1-247-807-31	CARBON 100	5% 1/4W
R1066	1-249-421-11	CARBON 2.2K	5% 1/4W
R1067	1-249-409-11	CARBON 220	5% 1/4W
R1069	1-247-807-31	CARBON 100	5% 1/4W
R1074	1-247-807-31	CARBON 100	5% 1/4W
R1084	1-215-901-00	METAL OXIDE 33K	5% 2W F
R1101	1-249-433-11	CARBON 22K	5% 1/4W
R1102	1-249-422-11	CARBON 2.7K	5% 1/4W
R1103	1-249-429-11	CARBON 10K	5% 1/4W
R1104	1-249-437-11	CARBON 4.7K	5% 1/4W
R1105	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R1106	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R1107	1-216-089-00	METAL GLAZE 47K	5% 1/10W
R1108	1-216-089-00	METAL GLAZE 47K	5% 1/10W
R1109	1-216-077-00	METAL GLAZE 15K	5% 1/10W
R3201	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R3202	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R3203	1-216-089-00	METAL GLAZE 47K	5% 1/10W
R3204	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R3205	1-216-089-00	METAL GLAZE 47K	5% 1/10W
R3206	1-216-049-00	METAL GLAZE 1K	5% 1/10W

REF. NO.	PART NO.	DESCRIPTION	REMARK
R3207	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R3208	1-216-041-00	METAL GLAZE 470	5% 1/10W
R3209	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R3210	1-216-043-91	METAL GLAZE 560	5% 1/10W
R3211	1-216-089-00	METAL GLAZE 47K	5% 1/10W
R3212	1-216-099-00	METAL GLAZE 120K	5% 1/10W
R3213	1-216-043-91	METAL GLAZE 560	5% 1/10W
R3214	1-216-079-00	METAL GLAZE 18K	5% 1/10W
R3215	1-216-079-00	METAL GLAZE 18K	5% 1/10W
R3216	1-216-025-00	METAL GLAZE 100	5% 1/10W
R3217	1-216-089-00	METAL GLAZE 47K	5% 1/10W
R3218	1-216-089-00	METAL GLAZE 47K	5% 1/10W
R3219	1-216-357-00	METAL OXIDE 4.7	5% 1W F
R3220	1-216-357-00	METAL OXIDE 4.7	5% 1W F
R3221	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R3222	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R3223	1-216-079-00	METAL GLAZE 18K	5% 1/10W
R3224	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R3225	1-216-025-00	METAL GLAZE 100	5% 1/10W
R3226	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R3227	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R3228	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R3229	1-216-033-00	METAL GLAZE 220	5% 1/10W
R3230	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R3231	1-216-089-00	METAL GLAZE 47K	5% 1/10W
R3232	1-216-063-91	METAL GLAZE 3.9K	5% 1/10W
R3233	1-216-099-00	METAL GLAZE 120K	5% 1/10W
R1214	1-216-063-91	METAL GLAZE 3.9K	5% 1/10W
R3235	1-216-081-00	METAL GLAZE 22K	



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REF. NO.	PART NO.	DESCRIPTION	REMARK
C6030	1-115-405-11	FILM	0.039MF 3% 1KV
C6031	1-126-964-11	ELECT	10MF 20% 50V
C6032	1-126-964-11	ELECT	10MF 20% 50V
C6033	1-130-471-00	FILM	0.001MF 2% 50V
C6034	1-101-810-00	CERAMIC	100PF 5% 500V
C6035	1-101-810-00	CERAMIC	100PF 5% 500V
C6036	1-126-768-11	ELECT	2200MF 20% 25V
C6037	1-126-943-11	ELECT	2200MF 20% 25V
C6038	1-126-946-11	ELECT	6800MF 20% 25V
C6039	1-126-972-11	ELECT	1000MF 20% 50V
C6040	1-126-972-11	ELECT	1000MF 20% 50V
C6041	1-124-903-11	ELECT	1MF 20% 50V
C6042	1-104-665-11	ELECT	100MF 20% 25V
C6043	1-107-639-11	ELECT	47MF 20% 160V
C6044	1-107-641-11	ELECT	220MF 20% 160V
C6045	1-104-665-11	ELECT	100MF 20% 25V
C6046	1-104-665-11	ELECT	100MF 20% 25V
C6047	1-102-820-00	CERAMIC	330PF 5% 50V
C6048	1-124-903-11	ELECT	1MF 20% 50V
C6049	1-136-165-00	FILM	0.1MF 5% 50V
C6050	1-109-954-11	ELECT	0.47MF 20% 160V
C6051	1-126-935-11	ELECT	470MF 20% 6.3V
C6052	1-164-625-11	CERAMIC	680PF 10% 500V
C6053	1-164-625-11	CERAMIC	680PF 10% 500V
C6054	1-107-639-11	ELECT	47MF 20% 160V
C6055	1-107-641-11	ELECT	220MF 20% 160V
C6057	1-102-030-00	CERAMIC	330PF 10% 500V
C6058	1-102-114-00	CERAMIC	470PF 10% 50V
C6059	1-102-114-00	CERAMIC	470PF 10% 50V
C6060	1-102-114-00	CERAMIC	470PF 10% 50V
C6061	1-102-114-00	CERAMIC	470PF 10% 50V
C6064	1-113-893-51	CERAMIC	0.0047MF 20% 250V
C6065	1-113-893-51	CERAMIC	0.0047MF 20% 250V
<CONNECTOR>			
CN6001	1-695-915-11	TAB (CONTACT)	
CN6002	1-695-915-11	TAB (CONTACT)	
CN6003	1-695-915-11	TAB (CONTACT)	
CN6004	1-564-506-11	PLUG, CONNECTOR 3P	
CN6005	1-580-843-11	PIN, CONNECTOR (POWER)	
CN6006	1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P	
CN6007	1-691-291-11	PIN, CONNECTOR (PC BOARD) 5P	
CN6008	1-564-509-11	PLUG, CONNECTOR 6P	
CN6009	1-564-507-11	PLUG, CONNECTOR 4P	
CN6010	1-508-768-00	PIN, CONNECTOR (5mm PITCH) 6P	
CN6011	1-573-986-11	PIN, CONNECTOR (PC BOARD) 5P	
CN6012	1-508-766-00	PIN, CONNECTOR (5mm PITCH) 4P	
CN6013	1-508-765-00	PIN, CONNECTOR (5mm PITCH) 3P	
<DIODE>			
D6001	8-719-979-58	DIODE EGP10D	
D6002	8-719-979-58	DIODE EGP10D	
D6003	8-719-510-53	DIODE D4S860L	
D6004	8-719-110-72	DIODE RD30ESB2	
D6007	8-719-911-55	DIODE U05G	
D6008	8-719-979-64	DIODE UF4005PKG23	
D6009	8-719-059-23	DIODE P6KE200AG23	
D6012	8-719-911-19	DIODE ISS119-25	
D6013	8-719-110-12	DIODE RD9.IESB1	
D6014	8-719-911-19	DIODE ISS119-25	
D6017	8-719-510-64	DIODE S2LA20F	
D6018	8-719-911-19	DIODE ISS119-25	
D6025	8-719-510-64	DIODE S2LA20F	
D6032	8-719-911-19	DIODE ISS119-25	
D6033	8-719-911-19	DIODE ISS119-25	
D6035	8-719-018-83	DIODE D2S4M	
D6036	8-719-018-83	DIODE D2S4M	

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The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK
D6037	8-719-031-78	DIODE S2LA0F	
D6038	8-719-312-47	DIODE RBA-406B	
D6039	8-719-510-12	DIODE D10SC4M	
D6040	8-719-027-20	DIODE D3S4M-F	
D6041	8-719-027-20	DIODE D3S4M-F	
D6042	8-719-979-64	DIODE UF4005PKG23	
D6043	8-719-110-52	DIODE RD20ESB1	
D6044	8-719-979-64	DIODE UF4005PKG23	
D6045	8-719-110-52	DIODE RD20ESB1	
D6046	8-719-110-52	DIODE RD20ESB1	
D6047	8-719-110-52	DIODE RD20ESB1	
D6048	8-719-947-57	DIODE MT2-T-72-138	
D6049	8-719-031-78	DIODE S2LA0F	
D6050	8-719-911-19	DIODE ISS119-25	
D6051	8-719-911-19	DIODE ISS119-25	
D6052	8-719-027-20	DIODE D3S4M-F	
D6053	8-719-027-20	DIODE D3S4M-F	
<FUSE>			
F6001	1-576-232-11	FUSE (H.B.C.)Y/250V	
	1-533-725-11	HOLDER, FUSE; F6001	
<FERRITE BEAD>			
FB6008	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH	
FB6009	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH	
<IC>			
IC6001	8-759-426-45	IC TOP210PF1	
IC6004	8-759-077-25	IC IR3M02A	
IC6005	8-749-010-64	PHOTO COUPLER PC123F2	
IC6006	8-749-010-64	PHOTO COUPLER PC123F2	
IC6007	8-759-185-47	IC IR2112	
IC6008	8-749-923-26	IC SE13SN-LF12	
<COIL>			
L6001	1-412-533-21	INDUCTOR 47UH	
L6002	1-412-525-31	INDUCTOR 10UH	
L6003	1-412-525-31	INDUCTOR 10UH	
L6004	1-412-525-31	INDUCTOR 10UH	
L6005	1-412-525-31	INDUCTOR 10UH	
L6006	1-406-659-11	COIL, CHOKE 10UH	
L6007	1-412-533-21	INDUCTOR 47UH	
L6008	1-412-533-21	INDUCTOR 47UH	
L6009	1-412-525-31	INDUCTOR 10UH	
L6010	1-412-525-31	INDUCTOR 10UH	
L6011	1-412-525-31	INDUCTOR 10UH	
<TRANSISTOR>			
Q6001	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6002	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6003	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6005	8-729-216-22	TRANSISTOR 2SA1162-G	
Q6009	8-729-140-97	TRANSISTOR 2SB734-34	
Q6010	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q6011	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q6012	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q6013	8-729-820-82	TRANSISTOR 2SA1208-T	
Q6014	8-729-028-10	TRANSISTOR IRF1744G-LF	
Q6015	8-729-028-10	TRANSISTOR IRF1744G-LF	
Q6066	1-216-366-00	METAL OXIDE 0.56 5% 2W F	
<RESISTOR>			
R6000	1-202-719-00	SOLID 1M 20% 1/2W	

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REF. NO.	PART NO.	DESCRIPTION	REMARK
R6001	1-249-417-11	CARBON 1K 5% 1/4W	
R6002	1-205-998-11	WIREWOUND 1 5% 10W	
R6007	1-205-998-11	WIREWOUND 1 5% 10W	
R6008	1-216-099-00	METAL GLAZE 120K 5% 1/10W	
R6009	1-247-889-00	CARBON 270K 5% 1/4W	
R6010	1-247-889-00	CARBON 270K 5% 1/4W	
R6013	1-205-998-11	WIREWOUND 1 5% 10W	
R6014	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R6018	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R6019	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R6022	1-249-397-11	CARBON 22 5% 1/4W	
R6027	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R6032	1-202-933-61	FUSIBLE 0.1 10% 1/2W F	
R6034	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R6045	1-216-660-11	METAL CHIP 2.4K 0.50% 1/10W	
R6046	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R6047	1-249-437-11	CARBON 47K 5% 1/4W	
R6048	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R6049	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R6050	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R6051	1-216-674-11	METAL CHIP 9.1K 0.50% 1/10W	
R6052	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R6053	1-249-417-11	CARBON 1K 5% 1/4W	
R6054	1-249-417-11	CARBON 1K 5% 1/4W	
R6055	1-249-422-11	CARBON 2.7K 5% 1/4W	
R6056	1-249-427-11	CARBON 6.8K 5% 1/4W	
R6057	1-249-429-11	CARBON 10K 5% 1/4W	
R6058	1-249-429-11	CARBON 10K 5% 1/4W	
R6059	1-247-843-11	CARBON 3.3K 5% 1/4W	
R6060	1-249-405-11	CARBON 100 5% 1/4W F	
R6061	1-215-473-00	METAL 150K 1% 1/4W	
R6062	1-249-417-11	CARBON 1K 5% 1/4W F	
R6063	1-249-397-11	CARBON 22 5% 1/4W F	
R6064	1-249-397-11	CARBON 22 5% 1/4W F	
R6065	1-249-441-11	CARBON 100K 5% 1/4W	
R6067	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R6068	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R6069	1-215-473-00	METAL 150K 1% 1/4W	
R6070	1-249-417-11	CARBON 1K 5% 1/4W F	
R6071	1-215-473-00	METAL 150K 1% 1/4W	
R6072	1-215-473-00	METAL 150K 1% 1/4W	
R6073	1-249-413-11	CARBON 470 5% 1/4W	
R6075	1-216-358-11	METAL OXIDE 5.6 5% 1W F	
R6076	1-249-377-11	CARBON 0.47 5% 1/4W F	
R6077	1-249-377-11	CARBON 0.47 5% 1/4W F	
R6078	1-249-377-11	CARBON 0.47 5% 1/4W F	
R6081	1-249-377-11	CARBON 0.47 5% 1/4W F	
R6082	1-249-377-11	CARBON 0.47 5% 1/4W F	
R6083	1-249-377-11	CARBON 0.47 5% 1/4W F	
R6084	1-249-377-11	CARBON 0.47 5% 1/4W F	
R6085	1-212-849-00	FUSIBLE 4.7 5% 1/4W F	
R6086	1-249-429-11	CARBON 10K 5% 1/4W	
<TRANSFORMER>			
T6002	1-424-305-11	TRANSFORMER, LINE FILTER	
T6004	1-429-808-11	TRANSFORMER, CONVERTER	
T6005	1-429-807-11	TRANSFORMER, POWER INSULATED	
*****			
* A-1642-191-A D BOARD, COMPLETE ASSY			
*****			
4-382-854-11 SCREW (M3X10), P, SW (+)			
7-682-652-09 SCREW +PSW 3X16			

G


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
REF. NO.	PART NO.	DESCRIPTION	REMARK
<CAPACITOR>			
C1502	1-126-943-11	ELECT 2200MF	20% 25V
C1503	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C1504	1-126-943-11	ELECT 2200MF	20% 25V
C1505	1-136-177-00	FILM 1MF	5% 50V
C1506	1-102-228-00	CERAMIC 100PF	10% 500V
C1507	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C1508	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C1509	1-126-968-11	ELECT 180MF	20% 50V
C1510	1-137-401-11	FILM 0.22MF	10% 100V
C1511	1-137-423-11	FILM 0.45MF	10% 100V
C1512	1-137-423-11	FILM 0.15MF	10% 100V
C1513	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
C1514	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C1515	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C1516	1-136-177-00	FILM 1MF	5% 50V
C1517	1-163-259-71	CERAMIC CHIP 220PF	5% 50V
C1551	1-126-964-11	ELECT 10MF	20% 50V
C1603	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C1604	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C1605	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C1606	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C1607	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C1608	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C1611	1-126-968-11	ELECT 100MF	20% 50V
C1612	1-104-665-11	ELECT 100MF	20% 25V
C1613	1-126-968-11	ELECT 100MF	20% 50V
C1615	1-104-665-11	ELECT 100MF	20% 25V
C1617	1-126-941-11	ELECT 470MF	20% 25V
C1619	1-104-665-11	ELECT 100MF	20% 25V
C1620	1-126-941-11	ELECT 470MF	20% 25V
C1622	1-104-665-11	ELECT 100MF	20% 25V
C1701	1-126-935-11	ELECT 470MF	20% 16V
C1702	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C1703	1-163-099-00	CERAMIC CHIP 18PF	5% 50V
C1704	1-163-259-71	CERAMIC CHIP 220PF	5% 50V
C1705	1-163-099-00	CERAMIC CHIP 18PF	5% 50V
C1709	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C1723	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C1724	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C1801	1-124-903-11	ELECT 1MF	20% 50V
C1802	1-126-964-11	ELECT 10MF	20% 50V
C1803	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C1805	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C1806	1-216-295-00	CONDUCTOR, CHIP	
C1807	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C1808	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C1809	1-104-661-91	ELECT 330MF	20% 16V
C1810	1-104-661-91	ELECT 330MF	20% 16V
C1811	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C1812	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C1813	1-163-275-11	CERAMIC CHIP 1000PF	5% 50V
C1814	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C1816	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C1817	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C1818	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C1819	1-126-933-11	ELECT 100MF	20% 16V
C1820	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C1821	1-124-902-00	ELECT 0.47MF	20% 50V
C1822	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C1823	1-124-903-11	ELECT 1MF	20% 50V
C1824	1-124-903-11	ELECT 1MF	20% 50V
C1825	1-126-967-11	ELECT 47MF	20% 50V
C1826	1-126-967-11	ELECT 47MF	20% 50V
C1827	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C1828	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C1829	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C1830	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V

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REF. NO.	PART NO.	DESCRIPTION	REMARK
C1831	1-104-661-91	ELECT 330MF 20%	16V
C1832	1-104-661-91	ELECT 330MF 20%	16V
C1833	1-163-809-11	CERAMIC CHIP 0.047MF 10%	25V
C1834	1-163-809-11	CERAMIC CHIP 0.047MF 10%	25V
C1835	1-163-809-11	CERAMIC CHIP 0.047MF 10%	25V
C1836	1-163-809-11	CERAMIC CHIP 0.047MF 10%	25V
C1837	1-164-489-11	CERAMIC CHIP 0.22MF 10%	16V
C1838	1-126-968-11	ELECT 100MF 20%	50V
C1839	1-126-968-11	ELECT 100MF 20%	50V
C1840	1-124-903-11	ELECT 1MF 20%	50V
C1841	1-126-967-11	ELECT 47MF 20%	50V
C1842	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C1843	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C1844	1-126-967-11	ELECT 47MF 20%	50V
C1845	1-163-809-11	CERAMIC CHIP 0.047MF 10%	25V
C1846	1-163-809-11	CERAMIC CHIP 0.047MF 10%	25V
C1847	1-163-809-11	CERAMIC CHIP 0.047MF 10%	25V
C1848	1-163-809-11	CERAMIC CHIP 0.047MF 10%	25V
C1849	1-126-968-11	ELECT 100MF 20%	50V
C1850	1-126-968-11	ELECT 100MF 20%	50V
C1851	1-137-399-11	FILM 0.1MF 5%	50V
C1852	1-126-968-11	ELECT 100MF 20%	50V
C1853	1-137-378-11	FILM 0.22MF 5%	50V
C1854	1-126-963-11	ELECT 4.7MF 20%	50V
C1855	1-124-903-11	ELECT 1MF 20%	50V
C1856	1-104-665-11	ELECT 100MF 20%	25V
C1857	1-126-968-11	ELECT 100MF 20%	50V
C1858	1-163-809-11	CERAMIC CHIP 0.047MF 10%	25V
C1859	1-163-809-11	CERAMIC CHIP 0.047MF 10%	25V
C1860	1-163-809-11	CERAMIC CHIP 0.047MF 10%	25V
C1861	1-126-968-11	ELECT 100MF 20%	50V
C1862	1-124-903-11	ELECT 1MF 20%	50V
C1863	1-136-173-00	FILM 0.47MF 5%	50V
C1864	1-124-903-11	ELECT 1MF 20%	50V
C1865	1-124-903-11	ELECT 1MF 20%	50V
C1866	1-126-967-11	ELECT 47MF 20%	50V
<CHIP CONDUCTOR>			
CJ1	1-216-295-00	CONDUCTOR, CHIP	
CJ2	1-216-295-00	CONDUCTOR, CHIP	
CJ3	1-216-295-00	CONDUCTOR, CHIP	
CJ4	1-216-295-00	CONDUCTOR, CHIP	
CJ5	1-216-295-00	CONDUCTOR, CHIP	
CJ6	1-216-295-00	CONDUCTOR, CHIP	
CJ7	1-216-295-00	CONDUCTOR, CHIP	
CJ8	1-216-295-00	CONDUCTOR, CHIP	
CJ9	1-216-295-00	CONDUCTOR, CHIP	
CJ10	1-216-295-00	CONDUCTOR, CHIP	
CJ11	1-216-295-00	CONDUCTOR, CHIP	
CJ12	1-216-295-00	CONDUCTOR, CHIP	
CJ13	1-216-295-00	CONDUCTOR, CHIP	
CJ14	1-216-295-00	CONDUCTOR, CHIP	
CJ15	1-216-295-00	CONDUCTOR, CHIP	
CJ16	1-216-295-00	CONDUCTOR, CHIP	
CJ17	1-216-295-00	CONDUCTOR, CHIP	
CJ18	1-216-295-00	CONDUCTOR, CHIP	
CJ19	1-216-295-00	CONDUCTOR, CHIP	
CJ20	1-216-295-00	CONDUCTOR, CHIP	
CJ21	1-216-295-00	CONDUCTOR, CHIP	
CJ22	1-216-295-00	CONDUCTOR, CHIP	
CJ23	1-216-295-00	CONDUCTOR, CHIP	
CJ24	1-216-295-00	CONDUCTOR, CHIP	
CJ25	1-216-295-00	CONDUCTOR, CHIP	
CJ26	1-216-295-00	CONDUCTOR, CHIP	
CJ27	1-216-295-00	CONDUCTOR, CHIP	
CJ28	1-216-295-00	CONDUCTOR, CHIP	
CJ29	1-216-295-00	CONDUCTOR, CHIP	
CJ30	1-216-295-00	CONDUCTOR, CHIP	

REF. NO.	PART NO.	DESCRIPTION	REMARK
CJ31	1-216-295-00	CONDUCTOR, CHIP	
CJ32	1-216-295-00	CONDUCTOR, CHIP	
CJ33	1-216-295-00	CONDUCTOR, CHIP	
CJ34	1-216-295-00	CONDUCTOR, CHIP	
CJ35	1-216-295-00	CONDUCTOR, CHIP	
CJ36	1-216-295-00	CONDUCTOR, CHIP	
CJ37	1-216-295-00	CONDUCTOR, CHIP	
CJ38	1-216-295-00	CONDUCTOR, CHIP	
CJ39	1-216-295-00	CONDUCTOR, CHIP	
CJ40	1-216-295-00	CONDUCTOR, CHIP	
CJ42	1-216-295-00	CONDUCTOR, CHIP	
CJ43	1-216-295-00	CONDUCTOR, CHIP	
CJ44	1-216-295-00	CONDUCTOR, CHIP	
CJ45	1-216-295-00	CONDUCTOR, CHIP	
CJ46	1-216-295-00	CONDUCTOR, CHIP	
CJ47	1-216-295-00	CONDUCTOR, CHIP	
CJ48	1-216-295-00	CONDUCTOR, CHIP	
CJ49	1-216-295-00	CONDUCTOR, CHIP	
CJ50	1-216-295-00	CONDUCTOR, CHIP	
CJ51	1-216-295-00	CONDUCTOR, CHIP	
CJ52	1-216-295-00	CONDUCTOR, CHIP	
CJ53	1-216-295-00	CONDUCTOR, CHIP	
CJ54	1-216-295-00	CONDUCTOR, CHIP	
CJ56	1-216-295-00	CONDUCTOR, CHIP	
CJ57	1-216-295-00	CONDUCTOR, CHIP	
CJ58	1-216-295-00	CONDUCTOR, CHIP	
CJ59	1-216-295-00	CONDUCTOR, CHIP	
CJ60	1-216-295-00	CONDUCTOR, CHIP	
CJ62	1-216-295-00	CONDUCTOR, CHIP	
CJ63	1-216-295-00	CONDUCTOR, CHIP	
<CONNECTOR>			
CN1509	* 1-564-506-11	PLUG, CONNECTOR 3P	
CN1513	* 1-564-506-11	PLUG, CONNECTOR 3P	
CN1612	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN1642	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN1672	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN1716	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN1756	* 1-564-508-11	PLUG, CONNECTOR 5P	
CN1757	* 1-564-515-11	PLUG, CONNECTOR 12P	
<DIODE>			
D1501	8-719-908-03	DIODE GP08D	
D1502	8-719-109-89	DIODE RD5.6ESB2	
D1503	8-719-971-20	DIODE ERC38-06	
D1505	8-719-109-89	DIODE RD5.6ESB2	
D1551	8-719-109-72	DIODE RD3.9ESB2	
D1552	8-719-911-19	DIODE 1SS119-25	
D1553	8-719-911-19	DIODE 1SS119-25	
D1601	8-719-908-03	DIODE GP08D	
D1602	8-719-908-03	DIODE GP08D	
D1603	8-719-908-03	DIODE GP08D	
D1604	8-719-908-03	DIODE GP08D	
D1803	8-719-911-19	DIODE 1SS119-25	
D1812	8-719-911-19	DIODE 1SS119-25	
D1814	8-719-911-19	DIODE 1SS119-25	
D1825	8-719-911-19	DIODE 1SS119-25	
D1826	8-719-911-19	DIODE 1SS119-25	
D1827	8-719-109-68	DIODE RD3.6ESB1	
D1931	8-719-110-60	DIODE RD24ESB	
D1932	8-719-110-60	DIODE RD24ESB	
D1934	8-719-110-60	DIODE RD24ESB	
D1935	8-719-110-60	DIODE RD24ESB	
D1936	8-719-110-60	DIODE RD24ESB	
D1937	8-719-110-60	DIODE RD24ESB	
D1942	8-719-110-60	DIODE RD24ESB	
D1945	8-719-110-60	DIODE RD24ESB	

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF. NO.	PART NO.	DESCRIPTION	REMARK
D1946	8-719-110-60	DIODE RD24ESB	
D1947	8-719-110-60	DIODE RD24ESB	
D1948	8-719-110-36	DIODE RD13ESB2	
D1949	8-719-110-60	DIODE RD24ESB	
D1951	8-719-110-36	DIODE RD13ESB2	
D1953	8-719-110-36	DIODE RD13ESB2	
D1954	8-719-110-36	DIODE RD13ESB2	
<FUSE>			
F1601	1-533-245-11	FUSE, GLASS TUBE 3.15A/125V	
F1602	1-533-223-11	CLIP, FUSE; F1601	
F1602	1-533-245-11	FUSE, GLASS TUBE 3.15A/125V	
	1-533-223-11	CLIP, FUSE; F1602	
<IC>			
IC1501	8-759-192-71	IC STV9379	
IC1601	8-749-010-88	IC STK392-010	
IC1602	8-749-010-88	IC STK392-010	
IC1701	8-752-861-57	IC CXP85112B-613S	
IC1702	8-759-041-54	IC MN1382S	
IC1801	8-759-327-52	IC PM0002B	
IC1802	8-759-327-51	IC PA0053B	
IC1803	8-759-012-67	IC MC7905CT	
IC1804	8-759-231-53	IC TA7805S	
IC1805	8-759-327-52	IC PM0002B	
IC1806	8-759-327-51	IC PA0053B	
IC1807	8-759-929-65	IC LM7912CT	
IC1808	8-759-231-58	IC TA7812S	
IC1809	8-759-327-52	IC PM0002B	
IC1931	8-759-711-28	IC NJM2058D	
IC1932	8-759-711-28	IC NJM2058D	
<COIL>			
L1501	1-412-533-21	INDUCTOR 47UH	
L1502	1-412-533-21	INDUCTOR 47UH	
L1503	1-412-524-11	INDUCTOR 8.2UH	
L1515	1-410-470-11	INDUCTOR 10UH	
L1516	1-410-482-31	INDUCTOR 100UH	
L1701	1-410-470-11	INDUCTOR 10UH	
L1801	1-406-975-21	COIL, CHOKE 47UH	
L1802	1-406-975-21	COIL, CHOKE 47UH	
<TRANSISTOR>			
Q1501	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1502	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1551	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1552	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1701	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1801	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1802	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1803	8-729-029-86	TRANSISTOR DTC124ESA	
Q1804	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q1805	8-729-029-86	TRANSISTOR DTC124ESA	
<RESISTOR>			
R1501	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1502	1-208-812-11	METAL CHIP 18K	0.50% 1/10W
R1503	1-215-423-00	METAL 1.2K	1% 1/4W
R1504	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R1505	1-216-085-00	METAL GLAZE 33K	5% 1/10W
R1506	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1507	1-208-814-11	METAL CHIP 22K	0.50% 1/10W
R1508	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R1509	1-249-383-11	CARBON 1.5	5% 1/4W
R1510	1-214-661-21	METAL 1.5	1% 1/4W
R1512	1-215-912-11	METAL OXIDE 150	5% 3W
R1514	1-216-635-11	METAL GLAZE 3.9K	5% 1/10W
R1515	1-216-077-00	METAL GLAZE 15K	5% 1/10W
R1516	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1517	1-216-033-00	METAL GLAZE 220	5% 1/10W
R1518	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R1519	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1520	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1521	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1522	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1523	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1524	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1525	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1526	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1527	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1528	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1529	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1530	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1531	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1532	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1533	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1534	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1535	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1536	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1537	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1538	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1539	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1540	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1541	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1542	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1543	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1544	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1545	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1546	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1547	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1548	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1549	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1550	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1551	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1552	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1553	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1554	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1555	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1556	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1557	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1558	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1559	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1560	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1561	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1562	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1563	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1564	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1565	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1566	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1567	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1568	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1569	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1570	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1571	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1572	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1573	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1574	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1575	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1576	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1577	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1578	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1579	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1580	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1581	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1582	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1583	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1584	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1585	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1586	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1587	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1588	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1589	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1590	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1591	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1592	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1593	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1594	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1595	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1596	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1597	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1598	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1599	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1600	1-216-049-00	METAL GLAZE 1K	5% 1/10W

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REF. NO.	PART NO.	DESCRIPTION	REMARK
R1808	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1809	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R1810	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R1811	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R1812	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R1813	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R1815	1-218-762-11	METAL CHIP 270K	0.50% 1/10W
R1816	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R1817	1-216-033-00	METAL GLAZE 22K	5% 1/10W
R1818	1-216-025-00	METAL GLAZE 100	5% 1/10W
R1819	1-216-025-00	METAL GLAZE 100	5% 1/10W
R1820	1-216-025-00	METAL GLAZE 100	5% 1/10W
R1821	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R1824	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1825	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1826	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1827	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1828	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1829	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1830	1-216-025-00	METAL GLAZE 100	5% 1/10W
R1831	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1832	1-216-677-11	METAL CHIP 12K	0.50% 1/10W
R1833	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1834	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1835	1-216-025-00	METAL GLAZE 100	5% 1/10W
R1836	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R1837	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R1838	1-216-667-11	METAL CHIP 4.7K	0.50% 1/10W
R1839	1-216-031-00	METAL GLAZE 180	5% 1/10W
R1840	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R1841	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R1842	1-216-025-00	METAL GLAZE 100	5% 1/10W
R1843	1-216-667-11	METAL CHIP 4.7K	0.50% 1/10W
R1844	1-216-025-00	METAL GLAZE 100	5% 1/10W
R1845	1-216-077-00	METAL GLAZE 15K	5% 1/10W
R1846	1-216-125-00	METAL GLAZE 1.5M	5% 1/10W
R1847	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R1848	1-216-077-00	METAL GLAZE 15K	5% 1/10W
R1849	1-216-067-00	METAL GLAZE 5.6K	5% 1/10W
R1850	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R1851	1-216-043-91	METAL GLAZE 560	5% 1/10W
R1852	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R1853	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R1854	1-216-025-00	METAL GLAZE 100	5% 1/10W
R1855	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R1856	1-216-025-00	METAL GLAZE 100	5% 1/10W
R1857	1-216-033-00	METAL GLAZE 220	5% 1/10W
R1858	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R1859	1-216-025-00	METAL GLAZE 100	5% 1/10W
R1860	1-216-025-00	METAL GLAZE 100	5% 1/10W
R1861	1-216-473-11	METAL OXIDE 56	5% 3W F
R1862	1-216-473-11	METAL OXIDE 56	5% 3W F
R1863	1-216-025-00	METAL GLAZE 100	5% 1/10W
R1864	1-216-025-00	METAL GLAZE 100	5% 1/10W
R1865	1-216-473-11	METAL OXIDE 56	5% 3W F
R1866	1-216-473-11	METAL OXIDE 56	5% 3W F
R1866	1-216-473-11	METAL OXIDE 56	5% 3W F
R1867	1-218-761-11	METAL CHIP 240K	0.50% 1/10W
R1868	1-216-025-00	METAL GLAZE 100	5% 1/10W
R1869	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1870	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1871	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1872	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1873	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1874	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1875	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1876	1-216-025-00	METAL GLAZE 100	5% 1/10W
R1877	1-216-695-11	METAL CHIP 68K	0.50% 1/10W

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF. NO.	PART NO.	DESCRIPTION	REMARK
R1878	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R1879	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1880	1-218-768-11	METAL CHIP 470K	0.50% 1/10W
R1881	1-216-295-00	CONDUCTOR, CHIP	
R1883	1-216-677-11	METAL CHIP 12K	0.50% 1/10W
R1884	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R1885	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1886	1-216-031-00	METAL GLAZE 180	5% 1/10W
R1887	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R1888	1-216-667-11	METAL CHIP 4.7K	0.50% 1/10W
R1889	1-216-667-11	METAL CHIP 4.7K	0.50% 1/10W
R1890	1-216-125-00	METAL GLAZE 1.5M	5% 1/10W
R1891	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R1892	1-216-061-00	METAL GLAZE 3.3K	5% 1/10W
R1893	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R1894	1-249-389-11	CARBON 4.7	5% 1/4W F
R1895	1-216-043-91	METAL GLAZE 560	5% 1/10W
R1896	1-249-389-11	CARBON 4.7	5% 1/4W F
R1897	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R1898	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R1899	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R1900	1-216-033-00	METAL GLAZE 220	5% 1/10W
R1901	1-216-025-00	METAL GLAZE 100	5% 1/10W
R1902	1-216-025-00	METAL GLAZE 100	5% 1/10W
R1903	1-216-025-00	METAL GLAZE 100	5% 1/10W
R1904	1-216-025-00	METAL GLAZE 100	5% 1/10W
R1905	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R1906	1-218-764-11	METAL CHIP 330K	0.50% 1/10W
R1908	1-208-812-11	METAL CHIP 18K	0.50% 1/10W
R1909	1-216-025-00	METAL GLAZE 100	5% 1/10W
R1910	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1911	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1912	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1913	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1914	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1915	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1916	1-216-025-00	METAL GLAZE 100	5% 1/10W
R1917	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R1918	1-216-667-11	METAL CHIP 4.7K	0.50% 1/10W
R1919	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R1920	1-216-667-11	METAL CHIP 4.7K	0.50% 1/10W
R1923	1-216-677-11	METAL CHIP 12K	0.50% 1/10W
R1925	1-216-031-00	METAL GLAZE 180	5% 1/10W
R1926	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R1927	1-216-125-00	METAL GLAZE 1.5M	5% 1/10W
R1928	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R1931	1-216-689-11	METAL CHIP 39K	0.50% 1/10W
R1935	1-218-766-11	METAL CHIP 390K	0.50% 1/10W
R1937	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R1938	1-208-810-11	METAL CHIP 15K	0.50% 1/10W
R1940	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R1941	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R1942	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R1944	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R1947	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R1948	1-216-093-00	METAL GLAZE 68K	5% 1/10W
R1949	1-216-659-11	METAL CHIP 2.2K	0.50% 1/10W
R1950	1-216-659-11	METAL CHIP 2.2K	0.50% 1/10W
R1951	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R1952	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R1954	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R1955	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R1956	1-208-800-11	METAL CHIP 5.6K	0.50% 1/10W
R1957	1-208-824-11	METAL CHIP 56K	0.50% 1/10W
R1958	1-208-800-11	METAL CHIP 5.6K	0.50% 1/10W
R1959	1-216-699-11	METAL CHIP 100K	0.50% 1/10W
R1960	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R1961	1-208-806-11	METAL CHIP 10K	0.50% 1/10W

REF. NO.	PART NO.	DESCRIPTION	REMARK
R1962	1-216-077-00	METAL GLAZE 15K	5% 1/10W
R1963	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R1964	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R1965	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R1966	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R1967	1-216-071-00	METAL GLAZE 8.2K	5% 1/10W
R1970	1-216-637-11	METAL CHIP 270	0.50% 1/10W
R1971	1-216-687-11	METAL CHIP 33K	0.50% 1/10W
R1972	1-208-854-11	METAL CHIP 1M	0.50% 1/10W
R1981	1-216-473-11	METAL OXIDE 56	5% 3W F
R1981	1-216-473-11	METAL OXIDE 56	5% 3W F
R1982	1-216-473-11	METAL OXIDE 56	5% 3W F
R1982	1-216-473-11	METAL OXIDE 56	5% 3W F
R1983	1-216-077-00	METAL GLAZE 15K	5% 1/10W
R1984	1-216-077-00	METAL GLAZE 15K	5% 1/10W
R1985	1-216-025-00	METAL GLAZE 100	5% 1/10W
<THERMISTOR>			
TH1801	1-808-269-11	THERMISTOR	
<CRYSTAL>			
X1701	1-579-917-11	VIBRATOR, CRYSTAL	
*****			
* A-1642-192-A E BOARD, COMPLETE			
*****			
4-382-854-11 SCREW (M3X10), P. SW (+)			
7-322-065-19 RUBBER, SILICON RTV (KE490W)			
<CAPACITOR>			
C801	1-110-626-11	ELECT 330MF 20% 160V	
C802	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C803	1-110-626-11	ELECT 330MF 20% 160V	
C805	1-136-173-00	FILM 0.47MF 5% 50V	
C806	1-102-030-00	CERAMIC 330PF 10% 500V	
C807	1-106-363-00	MYLAR 0.0068MF 200V	
C808	1-107-636-11	ELECT 10MF 20% 160V	
C809	1-126-967-11	ELECT 47MF 20% 50V	
C810	1-130-481-00	FILM 0.0068MF 5% 50V	
C811	1-137-475-11	FILM 2.2MF 10% 250V	
C812	1-126-965-11	ELECT 22MF 20% 50V	
C814	1-126-968-11	ELECT 100MF 20% 50V	
C815	1-162-114-00	CERAMIC 0.0047MF 2KV	
C818	1-109-833-11	FILM 0.0145MF 3% 2.5KV	
C819	1-130-489-00	FILM 0.033MF 5% 50V	
C820	1-124-902-00	ELECT 0.47MF 20% 50V	
C823	1-136-601-11	FILM 0.01MF 5% 630V	
C824	1-126-964-11	ELECT 10MF 20% 50V	
C825	1-162-318-11	CERAMIC 0.001MF 10% 500V	
C826	1-130-467-00	FILM 470PF 5% 50V	
C828	1-111-036-11	ELECT 470MF 20% 16V	
C830	1-137-420-11	FILM 0.047MF 10% 100V	
C831	1-126-934-11	ELECT 220MF 20% 16V	
C832	1-126-967-11	ELECT 47MF 20% 50V	
C901	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C902	1-137-370-11	FILM 0.01MF 5% 50V	
C903	1-137-431-11	FILM 500PF 5% 50V	
C904	1-137-358-11	FILM 0.0001MF 5% 50V	
C905	1-104-665-11	ELECT 100MF 20% 25V	
C906	1-137-370-11	FILM 0.01MF 5% 50V	
C907	1-104-665-11	ELECT 100MF 20% 25V	
C908	1-137-361-11	FILM 330PF 5% 50V	
C909	1-124-903-11	ELECT 1MF 20% 50V	

REF. NO.	PART NO.	DESCRIPTION	REMARK	
C911	1-163-251-11	CERAMIC CHIP 100PF	5%	50V
C912	1-124-903-11	ELECT 1MF	20%	50V
C913	1-124-903-11	ELECT 1MF	20%	50V
C915	1-163-239-11	CERAMIC CHIP 33PF	5%	50V
C916	1-126-963-11	ELECT 4.7MF	20%	50V
C917	1-126-964-11	ELECT 10MF	20%	50V
C918	1-137-364-11	FILM 0.001MF	5%	50V
C919	1-126-964-11	ELECT 10MF	20%	50V
C920	1-124-902-00	ELECT 0.47MF	20%	50V
C921	1-126-964-11	ELECT 10MF	20%	50V
C923	1-126-964-11	ELECT 10MF	20%	50V
C924	1-126-935-11	ELECT 470MF	20%	16V
C925	1-137-372-11	FILM 0.022MF	5%	50V
C926	1-104-665-11	ELECT 100MF	20%	25V
C927	1-137-364-11	FILM 0.001MF	5%	50V
C929	1-137-416-11	FILM 0.01MF	10%	100V
C930	1-137-364-11	FILM 0.001MF	5%	50V
C931	1-126-967-11	ELECT 47MF	20%	50V
C932	1-124-903-11	ELECT 1MF	20%	50V
C934	1-137-370-11	FILM 0.01MF	5%	50V
C935	1-137-399-11	FILM 0.1MF	10%	100V
C936	1-126-964-11	ELECT 10MF	20%	50V
C937	1-126-964-11	ELECT 10MF	20%	50V
C938	1-126-935-11	ELECT 470MF	20%	16V
C939	1-126-964-11	ELECT 10MF	20%	50V
C940	1-104-664-11	ELECT 47MF	20%	25V
C941	1-126-964-11	ELECT 10MF	20%	50V
C942	1-104-664-11	ELECT 47MF	20%	25V
C943	1-126-965-11	ELECT 22MF	20%	50V
C944	1-126-964-11	ELECT 10MF	20%	50V
C945	1-126-964-11	ELECT 10MF	20%	50V
C946	1-124-925-11	ELECT 2.2MF	20%	50V
C947	1-104-665-11	ELECT 100MF	20%	25V
C948	1-104-665-11	ELECT 100MF	20%	25V
C949	1-126-964-11	ELECT 10MF	20%	50V
C950	1-126-964-11	ELECT 10MF	20%	50V
C951	1-109-889-11	ELECT 1MF	20%	50V
C955	1-126-964-11	ELECT 10MF	20%	50V
C980	1-137-368-11	FILM 0.0047MF	5%	50V
<CHIP CONDUCTOR>				
CJ901	1-216-295-00	CONDUCTOR, CHIP		
CJ902	1-216-295-00	CONDUCTOR, CHIP		
CJ903	1-216-295-00	CONDUCTOR, CHIP		
CJ904	1-216-295-00	CONDUCTOR, CHIP		
<CONNECTOR>				
CN802	* 1-564-510-11	PLUG, CONNECTOR 7P		
CN805	1-695-915-11	TAB (CONTACT)		
CN827	* 1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P		
CN851	* 1-564-509-11	PLUG, CONNECTOR 6P		
CN881	* 1-573-986-11	PIN, CONNECTOR (PC BOARD) 5P		
CN882	* 1-691-135-11	PIN, CONNECTOR (PC BOARD) 4P		
CN884	* 1-573-964-11	PIN, CONNECTOR (PC BOARD) 6P		
CN885	* 1-506-371-00	PIN, CONNECTOR 2P		
CN886	* 1-506-371-00	PIN, CONNECTOR 2P		
CN904	* 1-564-507-11	PLUG, CONNECTOR 4P		
<DIODE>				
D801	8-719-109-85	DIODE RD5.1ESB2		
D802	8-719-404-46	DIODE MA110		
D803	8-719-971-20	DIODE ERC38-06		
D804	8-719-908-03	DIODE GP080		
D805	8-719-979-40	DIODE ERC05-15STP1		
D806	8-719-911-19	DIODE ISS119-25		
D807	8-719-979-40	DIODE ERC05-15STP1		

E

The components identified by **E** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Les composants identifiés par une trame et une marque **E** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **E** are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK
D808	8-719-500-71	DIODE D8LC40	
D809	8-719-911-19	DIODE ISS119-25	
D810	8-719-945-80	DIODE ERC06-15S	
D812	8-719-404-46	DIODE MA110	
D814	8-719-920-67	DIODE ERC91-02	
D816	8-719-404-46	DIODE MA110	
D817	8-719-404-46	DIODE MA110	
D818	8-719-404-46	DIODE MA110	
D819	8-719-105-82	DIODE RD5.1M-B2	
D901	8-719-404-46	DIODE MA110	
D902	8-719-404-46	DIODE MA110	
D904	8-719-404-46	DIODE MA110	
D905	8-719-404-46	DIODE MA110	
D907	8-719-404-46	DIODE MA110	
D908	8-719-105-82	DIODE RD5.1M-B2	
D909	8-719-302-43	DIODE ELIZ	
D910	8-719-911-19	DIODE ISS119-25	
D911	8-719-105-82	DIODE RD5.1M-B2	
D912	8-719-105-82	DIODE RD5.1M-B2	
D913	8-719-404-46	DIODE MA110	
D914	8-719-404-46	DIODE MA110	
D915	8-719-404-46	DIODE MA110	
D916	8-719-105-57	DIODE RD3.9M-B1	
D917	8-719-404-46	DIODE MA110	
D918	8-719-404-46	DIODE MA110	
D919	8-719-106-81	DIODE RD13M-B3	
D920	8-759-157-40	IC uPC574J	
D921	8-719-106-81	DIODE RD13M-B3	
D922	8-719-404-46	DIODE MA110	
D923	8-719-404-46	DIODE MA110	
D924	8-719-404-46	DIODE MA110	
D925	8-719-028-00	DIODE MA3033-L	
D926	8-719-404-46	DIODE MA110	
D927	8-719-401-32	DIODE MA3047M-TX	
<FERRITE BEAD>			
FB001	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
<IC>			
IC901	8-759-133-90	IC uPC339C	
IC902	8-759-133-90	IC uPC339C	
IC903	8-759-711-28	IC NJM2058D	
IC904	8-759-634-51	IC M5218AP	
IC905	8-759-929-65	IC LM7912CT	
IC906	8-759-231-58	IC TA7812S	
<COIL>			
L801	1-406-665-11	COIL, CHOKE 100UH	
L802	1-406-665-11	COIL, CHOKE 100UH	
L803	1-422-613-11	COIL, AIR CORE	
L804	1-411-286-11	COIL, CHOKE 220UH	
L901	1-408-416-00	INDUCTOR 39UH	
L902	1-408-416-00	INDUCTOR 39UH	
<NEON LAMP>			
NL802	1-519-108-99	LAMP, NEON	
<TRANSISTOR>			
Q801	8-729-119-80	TRANSISTOR 2SC2688-LK	
Q802	8-729-119-80	TRANSISTOR 2SC2688-LK	
Q803	8-729-122-12	TRANSISTOR 2SA1221-L	
Q806	8-729-905-07	TRANSISTOR 2SD1187-CA	
Q807	8-729-422-27	TRANSISTOR 2SD601A-Q	

REF. NO.	PART NO.	DESCRIPTION	REMARK
Q808	8-729-024-30	TRANSISTOR IRF1640LF	
Q809	8-729-823-81	TRANSISTOR 2SC4632LS-CB7	
Q810	8-729-231-55	TRANSISTOR 2SC2878-AB	
Q811	8-729-823-81	TRANSISTOR 2SC4632LS-CB7	
Q813	8-729-216-22	TRANSISTOR 2SA1162-G	
Q901	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q902	8-729-140-93	TRANSISTOR 2SB733-34	
Q903	8-729-140-96	TRANSISTOR 2SD774-AB	
Q904	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q905	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q906	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q907	8-729-231-55	TRANSISTOR 2SC2878-AB	
Q908	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q909	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q910	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q911	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q912	8-729-216-22	TRANSISTOR 2SA1162-G	
Q913	8-729-029-86	TRANSISTOR DTC124ESA	
Q914	8-729-422-27	TRANSISTOR 2SD601A-Q	
Q915	8-729-422-27	TRANSISTOR 2SD601A-Q	
<RESISTOR>			
R800	1-216-637-11	METAL CHIP 270	0.50% 1/10W
R801	1-216-041-00	METAL GLAZE 470	5% 1/10W
R802	1-249-421-11	CARBON 2.2K	5% 1/4W
R804	1-249-425-11	CARBON 4.7K	5% 1/4W F
R805	1-216-435-21	METAL OXIDE 2.7K	5% 1W F
R806	1-249-431-81	CARBON 15K	5% 1/4W F
R807	1-260-325-11	CARBON 560	5% 1/2W
R808	1-249-427-11	CARBON 6.8K	5% 1/4W F
R810	1-249-427-11	CARBON 6.8K	5% 1/4W F
R811	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R812	1-216-395-00	METAL OXIDE 3.3	5% 3W F
R813	1-216-484-00	METAL OXIDE 3.9K	5% 3W F
R814	1-215-919-11	METAL OXIDE 2.2K	5% 3W F
R816	1-216-051-00	METAL GLAZE 1.2K	5% 1/10W
R817	1-216-395-00	METAL OXIDE 3.3	5% 3W F
R818	1-249-405-11	CARBON 100	5% 1/4W F
R819	1-216-083-00	METAL GLAZE 27K	5% 1/10W
R820	1-215-905-11	METAL OXIDE 10	5% 3W F
R821	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R822	1-215-928-11	METAL OXIDE 68K	5% 3W F
R823	1-216-047-91	METAL GLAZE 820	5% 1/10W
R825	1-215-928-11	METAL OXIDE 68K	5% 3W F
R826	1-216-033-00	METAL GLAZE 220	5% 1/10W
R830	1-215-928-11	METAL OXIDE 68K	5% 3W F
R831	1-215-919-11	METAL OXIDE 2.2K	5% 3W F
R832	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R835	1-249-474-11	CARBON 1	5% 1/2W F
R836	1-202-818-00	SOLID 1K	20% 1/2W
R837	1-215-870-11	METAL OXIDE 1.5K	5% 1W F
R838	1-247-807-31	CARBON 100	5% 1/4W
R839	1-249-429-11	CARBON 10K	5% 1/4W F
R843	1-202-549-00	SOLID 100	20% 1/2W
R846	1-202-838-00	SOLID 100K	20% 1/2W
R847	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R849	1-249-433-11	CARBON 22K	5% 1/4W
R850	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R851	1-216-667-11	METAL CHIP 4.7K	0.50% 1/10W
R852	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R854	1-249-447-11	CARBON 1	5% 1/4W F
R855	1-208-822-11	METAL CHIP 47K	0.50% 1/10W
R856	1-208-822-11	METAL CHIP 47K	0.50% 1/10W
R857	1-218-755-11	METAL CHIP 130K	0.50% 1/10W
R858	1-216-676-11	METAL CHIP 11K	0.50% 1/10W
R859	1-249-381-11	CARBON 1	5% 1/4W F
R883	1-216-091-00	METAL GLAZE 56K	5% 1/10W

The components identified by shading and mark **E** are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque **E** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by **E** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

E

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REF. NO.	PART NO.	DESCRIPTION	REMARK
R888	1-216-067-00	METAL GLAZE 5.6K	5% 1/10W
R901	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R902	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R903	1-216-085-00	METAL GLAZE 33K	5% 1/10W
R904	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R905	1-247-739-11	CARBON 100	5% 1/2W F
R906	1-247-739-11	CARBON 100	5% 1/2W F
R907	1-216-091-00	METAL GLAZE 56K	5% 1/10W
R908	1-216-085-00	METAL GLAZE 33K	5% 1/10W
R909	1-216-113-00	METAL GLAZE 470K	5% 1/10W
R910	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R911	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R912	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R913	1-216-077-00	METAL GLAZE 15K	5% 1/10W
R914	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R915	1-216-091-00	METAL GLAZE 56K	5% 1/10W
R916	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R917	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R918	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R919	1-216-077-00	METAL GLAZE 15K	5% 1/10W
R920	1-216-113-00	METAL GLAZE 470K	5% 1/10W
R921	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R922	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R923	1-216-077-00	METAL GLAZE 15K	5% 1/10W
R924	1-216-067-00	METAL GLAZE 5.6K	5% 1/10W
R926	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R927	1-249-377-11	CARBON 0.47	5% 1/4W F
R928	1-216-067-00	METAL GLAZE 5.6K	5% 1/10W
R929	1-216-041-00	METAL GLAZE 470	5% 1/10W
R930	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R931	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R932	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R933	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R934	1-216-085-00	METAL GLAZE 33K	5% 1/10W
R935	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R936	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R937	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R938	1-208-810-11	METAL CHIP 15K	0.50% 1/10W
R939	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R940	1-216-083-00	METAL GLAZE 27K	5% 1/10W
R941	1-216-091-00	METAL GLAZE 56K	5% 1/10W
R942	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R943	1-249-377-11	CARBON 0.47	5% 1/4W F
R944	1-216-689-11	METAL GLAZE 39K	5% 1/10W
R945	1-216-077-00	METAL GLAZE 15K	5% 1/10W
R946	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R947	1-216-025-00	METAL GLAZE 100	5% 1/10W
R948	1-216-051-00	METAL GLAZE 1.2K	5% 1/10W
R950	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R952	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R954	1-214-777-00	METAL 100K	1% 1/4W
R955	1-214-769-00	METAL 47K	1% 1/4W
R956	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R957	1-218-854-11	METAL CHIP 2K	0.50% 1/16W
R958	1-218-856-11	METAL CHIP 2.4K	0.50% 1/16W
R959	1-214-757-00	METAL 15K	1% 1/4W
R960	1-216-077-00	METAL GLAZE 15K	5% 1/10W
R962	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R963	1-214-749-00	METAL 6.8K	1% 1/4W
R964	1-214-757-00	METAL 15K	1% 1/4W
R965	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R966	1-214-757-00	METAL 15K	1% 1/4W
R967	1-216-025-00	METAL GLAZE 100	5% 1/10W
R968	1-214-751-00	METAL 8.2K	1% 1/4W
R969	1-215-423-00	METAL 1.2K	1% 1/4W
R970	1-214-757-00	METAL 15K	1% 1/4W
R971	1-208-845-11	METAL GLAZE 1M	5% 1/10W
R972	1-216-699-11	METAL CHIP 100K	0.50% 1/10W
R973	1-216-081-00	METAL GLAZE 22K	5% 1/10W

REF. NO.	PART NO.	DESCRIPTION	REMARK
R974	1-216-699-11	METAL CHIP 100K	0.50% 1/10W
R975	1-216-043-91	METAL GLAZE 560	5% 1/10W
R976	1-216-041-00	METAL GLAZE 470	5% 1/10W
R977	1-216-075-00	METAL GLAZE 12K	5% 1/10W
R978	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R979	1-216-075-00	METAL GLAZE 12K	5% 1/10W
R980	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R981	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R982	1-216-671-11	METAL CHIP 6.8K	0.50% 1/10W
R983	1-216-671-11	METAL	1/4W
R984	1-216-083-00	METAL GLAZE 27K	5% 1/10W
R985	1-208-812-11	METAL CHIP 18K	0.50% 1/10W
R986	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R987	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R988	1-216-059-00	METAL	1/4W
R989	1-216-462-00	METAL OXIDE 8.2K	5% 2W F
R990	1-215-897-11	METAL OXIDE 6.8K	5% 2W F
R991	1-208-803-11	METAL CHIP 7.5K	0.50% 1/10W
R992	1-249-431-11	CARBON 15K	5% 1/4W
R993	1-249-431-11	CARBON 15K	5% 1/4W
R994	1-247-807-31	CARBON 100	0.5% 1/4W
R995	1-216-677-11	METAL CHIP 12K	0.50% 1/10W
R996	1-208-814-11	METAL CHIP 22K	0.50% 1/10W
R997	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R998	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R999	1-216-051-00	METAL GLAZE 1.2K	5% 1/10W
<SPARK GAP>			
SG801	1-519-422-11	GAP, SPARK	
<TRANSFORMER>			
T801	1-453-189-11	TRANSFORMER ASSY, FLYBACK	NX-2631//A4S
T802	1-437-209-11	TRANSFORMER, HORIZONTAL DRIVE	
T803	1-427-980-11	TRANSFORMER, FERRITE (LOT)	
* A-1647-003-A U BOARD, COMPLETE			
<CAPACITOR>			
C2001	1-126-967-11	ELECT 47MF	20% 16V
C2002	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C2003	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C2004	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C2005	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C2006	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C2007	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C2008	1-126-967-11	ELECT 47MF	20% 16V
C2009	1-126-967-11	ELECT 47MF	20% 16V
C2010	1-126-964-11	ELECT 10MF	20% 50V
C2011	1-126-964-11	ELECT 10MF	20% 50V
C2012	1-126-967-11	ELECT 47MF	20% 16V
C2013	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C2014	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C2015	1-164-005-11	CERAMIC CHIP 0.47MF	10% 16V
C2016	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C2017	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C2018	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C2019	1-126-967-11	ELECT 47MF	20% 16V
C2020	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C2021	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C2022	1-126-964-11	ELECT 10MF	20% 50V

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REF. NO.	PART NO.	DESCRIPTION	REMARK
C2024	1-126-964-11	ELECT 10MF 20%	50V
C2025	1-164-005-11	CERAMIC CHIP 0.47MF	16V
C2026	1-164-232-11	CERAMIC CHIP 0.01MF	10%
C2027	1-163-005-11	CERAMIC CHIP 470PF	10%
C2028	1-163-005-11	CERAMIC CHIP 470PF	10%
C2029	1-163-005-11	CERAMIC CHIP 470PF	10%
C2030	1-163-005-11	CERAMIC CHIP 470PF	10%
C2031	1-126-933-11	ELECT 100MF	20%
C2032	1-164-232-11	CERAMIC CHIP 0.01MF	10%
C2033	1-126-967-11	ELECT 47MF	20%
C2034	1-126-967-11	ELECT 47MF	20%
C2035	1-126-964-11	ELECT 10MF	20%
C2036	1-126-967-11	ELECT 47MF	20%
C2037	1-126-964-11	ELECT 10MF	20%
C2038	1-163-005-11	CERAMIC CHIP 470PF	10%
C2039	1-163-005-11	CERAMIC CHIP 470PF	10%
C2040	1-163-005-11	CERAMIC CHIP 470PF	10%
C2041	1-126-967-11	ELECT 47MF	20%
C2042	1-126-967-11	ELECT 47MF	20%
C2043	1-164-232-11	CERAMIC CHIP 0.01MF	10%
C2044	1-126-967-11	ELECT 47MF	20%
C2045	1-163-005-11	CERAMIC CHIP 470PF	10%
C2046	1-126-967-11	ELECT 47MF	20%
C2047	1-164-232-11	CERAMIC CHIP 0.01MF	10%
C2048	1-126-967-11	ELECT 47MF	20%
C2049	1-126-967-11	ELECT 47MF	20%
C2050	1-164-232-11	CERAMIC CHIP 0.01MF	10%
C2051	1-124-903-11	ELECT 1MF	20%
C2052	1-126-967-11	ELECT 47MF	20%
C2053	1-124-903-11	ELECT 1MF	20%
C2054	1-163-005-11	CERAMIC CHIP 470PF	10%
C2055	1-163-005-11	CERAMIC CHIP 470PF	10%
C2056	1-163-005-11	CERAMIC CHIP 470PF	10%
C2057	1-163-005-11	CERAMIC CHIP 470PF	10%
C2058	1-164-232-11	CERAMIC CHIP 0.01MF	10%
C2059	1-126-967-11	ELECT 47MF	20%
C2060	1-126-964-11	ELECT 10MF	20%
C2061	1-126-933-11	ELECT 100MF	20%
C2062	1-126-964-11	ELECT 10MF	20%
C2063	1-126-964-11	ELECT 10MF	20%
C2064	1-164-232-11	CERAMIC CHIP 0.01MF	10%
C2065	1-126-964-11	ELECT 10MF	20%
C2066	1-126-967-11	ELECT 47MF	20%
C2067	1-126-967-11	ELECT 47MF	20%
C2068	1-164-232-11	CERAMIC CHIP 0.01MF	10%
C2069	1-126-967-11	ELECT 47MF	20%
C2070	1-163-005-11	CERAMIC CHIP 470PF	10%
C2071	1-163-005-11	CERAMIC CHIP 470PF	10%
C2072	1-163-037-71	CERAMIC CHIP 0.022MF	10%
C2073	1-163-037-71	CERAMIC CHIP 0.022MF	10%
C2074	1-102-125-00	CERAMIC 0.0047MF	10%
C2075	1-102-125-00	CERAMIC 0.0047MF	10%
C2076	1-163-009-11	CERAMIC CHIP 0.001MF	10%
C2077	1-163-009-11	CERAMIC CHIP 0.001MF	10%
C2078	1-164-232-11	CERAMIC CHIP 0.01MF	10%
<CONNECTOR>			
CN2001	1-695-549-11	SOCKET, PIN 21P	
CN2002	1-695-549-11	SOCKET, PIN 21P	
CN2003	1-564-526-11	PLUG, CONNECTOR 11P	
CN2004	1-695-549-11	SOCKET, PIN 21P	
CN2006	1-564-519-11	PLUG, CONNECTOR 4P	
CN2008	1-564-519-11	PLUG, CONNECTOR 4P	
CN2009	1-564-518-11	PLUG, CONNECTOR 3P	
CN2010	1-566-641-11	CONNECTOR, HINGE (TAB) 18P	
CN2011	1-566-641-11	CONNECTOR, HINGE (TAB) 18P	

REF. NO.	PART NO.	DESCRIPTION	REMARK
<DIODE>			
D2001	8-719-400-75	DIODE MA3091	
D2002	8-719-400-75	DIODE MA3091	
D2003	8-719-400-75	DIODE MA3091	
D2004	8-719-400-75	DIODE MA3091	
D2005	8-719-400-75	DIODE MA3091	
D2006	8-719-400-75	DIODE MA3091	
D2007	8-719-400-75	DIODE MA3091	
D2008	8-719-400-75	DIODE MA3091	
D2009	8-719-400-75	DIODE MA3091	
D2010	8-719-400-75	DIODE MA3091	
D2011	8-719-400-75	DIODE MA3091	
D2012	8-719-400-75	DIODE MA3091	
D2013	8-719-400-75	DIODE MA3091	
D2014	8-719-400-75	DIODE MA3091	
D2015	8-719-400-75	DIODE MA3091	
D2016	8-719-400-75	DIODE MA3091	
D2017	8-719-400-75	DIODE MA3091	
D2018	8-719-400-75	DIODE MA3091	
D2019	8-719-400-75	DIODE MA3091	
D2020	8-719-400-75	DIODE MA3091	
D2021	8-719-400-75	DIODE MA3091	
D2022	8-719-400-75	DIODE MA3091	
D2023	8-719-400-75	DIODE MA3091	
D2024	8-719-400-75	DIODE MA3091	
D2025	8-719-400-75	DIODE MA3091	
D2026	8-719-400-75	DIODE MA3091	
D2027	8-719-400-75	DIODE MA3091	
D2028	8-719-400-75	DIODE MA3091	
D2029	8-719-914-43	DIODE DAN202K	
D2030	8-719-400-75	DIODE MA3091	
D2031	8-719-400-75	DIODE MA3091	
D2032	8-719-400-75	DIODE MA3091	
D2033	8-719-400-75	DIODE MA3091	
D2034	8-719-914-43	DIODE DAN202K	
D2035	8-719-400-75	DIODE MA3091	
D2036	8-719-400-75	DIODE MA3091	
D2037	8-719-400-75	DIODE MA3091	
D2038	8-719-400-75	DIODE MA3091	
D2039	8-719-403-00	DIODE MA3240-TX	
D2040	8-719-403-00	DIODE MA3240-TX	
D2041	8-719-403-00	DIODE MA3240-TX	
D2042	8-719-403-00	DIODE MA3240-TX	
D2043	8-719-403-00	DIODE MA3240-TX	
D2044	8-719-403-00	DIODE MA3240-TX	
<FERRITE BEAD>			
FB2001	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB2002	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB2003	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB2004	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
<IC>			
IC2001	8-759-073-00	IC TEA2114	
IC2002	8-752-068-46	IC CXA1855S	
<JACK>			
J2001	1-695-296-11	TERMINAL BLOCK, S	
J2002	1-695-296-11	TERMINAL BLOCK, S	
J2003	1-695-296-11	TERMINAL BLOCK, S	
J2004	1-565-838-11	JACK BLOCK, PIN 2P	
<CHIP CONDUCTOR>			
JR2001	1-216-295-00	CONDUCTOR, CHIP	

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<COIL>							
L2001	1-410-663-31	INDUCTOR 10UH		R2044	1-216-025-00	METAL GLAZE 100	5% 1/10W
L2002	1-408-409-00	INDUCTOR 10UH		R2045	1-216-025-00	METAL GLAZE 100	5% 1/10W
L2003	1-408-409-00	INDUCTOR 10UH		R2046	1-216-025-00	METAL GLAZE 100	5% 1/10W
L2004	1-402-711-11	INDUCTOR, WIDEBAND		R2047	1-216-025-00	METAL GLAZE 100	5% 1/10W
L2005	1-402-711-11	INDUCTOR, WIDEBAND		R2048	1-216-025-00	METAL GLAZE 100	5% 1/10W
L2006	1-402-711-11	INDUCTOR, WIDEBAND		R2049	1-216-025-00	METAL GLAZE 100	5% 1/10W
L2007	1-402-711-11	INDUCTOR, WIDEBAND		R2050	1-216-025-00	METAL GLAZE 100	5% 1/10W
L2008	1-408-409-00	INDUCTOR 10UH		R2051	1-216-079-00	METAL GLAZE 18K	5% 1/10W
<TRANSISTOR>				R2052	1-216-170-00	METAL GLAZE 68	5% 1/8W
Q2001	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R2053	1-216-049-00	METAL GLAZE 1K	5% 1/10W
Q2002	8-729-216-22	TRANSISTOR 2SA1162-G		R2054	1-216-061-00	METAL GLAZE 3.3K	5% 1/10W
Q2003	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R2055	1-216-113-00	METAL GLAZE 470K	5% 1/10W
Q2004	8-729-216-22	TRANSISTOR 2SA1162-G		R2056	1-216-025-00	METAL GLAZE 100	5% 1/10W
Q2005	8-729-216-22	TRANSISTOR 2SA1162-G		R2057	1-216-025-00	METAL GLAZE 100	5% 1/10W
Q2006	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R2058	1-216-031-00	METAL GLAZE 180	5% 1/10W
Q2007	8-729-216-22	TRANSISTOR 2SA1162-G		R2059	1-216-674-11	METAL CHIP 9.1K	0.50% 1/10W
Q2008	8-729-216-22	TRANSISTOR 2SA1162-G		R2060	1-216-025-00	METAL GLAZE 100	5% 1/10W
Q2009	8-729-216-22	TRANSISTOR 2SA1162-G		R2061	1-216-025-00	METAL GLAZE 100	5% 1/10W
Q2010	8-729-216-22	TRANSISTOR 2SA1162-G		R2062	1-216-025-00	METAL GLAZE 100	5% 1/10W
Q2011	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R2063	1-216-025-00	METAL GLAZE 100	5% 1/10W
<RESISTOR>				R2064	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R2001	1-216-031-00	METAL GLAZE 180	5%	R2065	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R2002	1-216-674-11	METAL CHIP 9.1K	0.50%	R2066	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R2003	1-216-113-00	METAL GLAZE 470K	5%	R2067	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R2004	1-216-079-00	METAL GLAZE 18K	5%	R2068	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R2005	1-216-113-00	METAL GLAZE 470K	5%	R2069	1-216-022-00	METAL GLAZE 75	5% 1/10W
R2006	1-216-170-00	METAL GLAZE 68	5%	R2070	1-216-022-00	METAL GLAZE 75	5% 1/10W
R2007	1-216-059-00	METAL GLAZE 2.7K	5%	R2071	1-216-113-00	METAL GLAZE 470K	5% 1/10W
R2008	1-216-059-00	METAL GLAZE 2.7K	5%	R2072	1-216-113-00	METAL GLAZE 470K	5% 1/10W
R2009	1-216-022-00	METAL GLAZE 75	5%	R2073	1-216-113-00	METAL GLAZE 470K	5% 1/10W
R2010	1-216-031-00	METAL GLAZE 180	5%	R2074	1-216-113-00	METAL GLAZE 470K	5% 1/10W
R2011	1-216-113-00	METAL GLAZE 470K	5%	R2075	1-216-049-00	METAL GLAZE 1K	5% 1/10W
R2012	1-216-113-00	METAL GLAZE 470K	5%	R2076	1-216-089-00	METAL GLAZE 47K	5% 1/10W
R2013	1-216-031-00	METAL GLAZE 180	5%	R2077	1-216-025-00	METAL GLAZE 100	5% 1/10W
R2014	1-216-079-00	METAL GLAZE 18K	5%	R2078	1-216-025-00	METAL GLAZE 100	5% 1/10W
R2015	1-216-170-00	METAL GLAZE 68	5%	R2079	1-216-025-00	METAL GLAZE 100	5% 1/10W
R2016	1-216-674-11	METAL CHIP 9.1K	0.50%	R2080	1-216-025-00	METAL GLAZE 100	5% 1/10W
R2017	1-216-113-00	METAL GLAZE 470K	5%	R2081	1-216-025-00	METAL GLAZE 100	5% 1/10W
R2018	1-216-022-00	METAL GLAZE 75	5%	R2082	1-216-025-00	METAL GLAZE 100	5% 1/10W
R2019	1-216-022-00	METAL GLAZE 75	5%	R2083	1-216-025-00	METAL GLAZE 100	5% 1/10W
R2020	1-216-113-00	METAL GLAZE 470K	5%	R2084	1-216-031-00	METAL GLAZE 180	5% 1/10W
R2021	1-216-059-00	METAL GLAZE 2.7K	5%	R2085	1-216-031-00	METAL GLAZE 180	5% 1/10W
R2022	1-216-059-00	METAL GLAZE 2.7K	5%	R2086	1-216-061-00	METAL GLAZE 3.3K	5% 1/10W
R2023	1-216-113-00	METAL GLAZE 470K	5%	R2087	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R2024	1-216-113-00	METAL GLAZE 470K	5%	R2088	1-216-113-00	METAL GLAZE 470K	5% 1/10W
R2025	1-216-059-00	METAL GLAZE 2.7K	5%	R2089	1-216-113-00	METAL GLAZE 470K	5% 1/10W
R2026	1-216-059-00	METAL GLAZE 2.7K	5%	R2090	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R2027	1-216-067-00	METAL GLAZE 5.6K	5%	R2091	1-216-170-00	METAL GLAZE 68	5% 1/8W
R2028	1-216-067-00	METAL GLAZE 5.6K	5%	R2092	1-216-061-00	METAL GLAZE 3.3K	5% 1/10W
R2029	1-216-022-00	METAL GLAZE 75	5%	R2093	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R2030	1-216-025-00	METAL GLAZE 100	5%	R2094	1-216-170-00	METAL GLAZE 68	5% 1/8W
R2031	1-216-022-00	METAL GLAZE 75	5%	R2095	1-216-216-00	METAL GLAZE 5.6K	5% 1/8W
R2032	1-216-031-00	METAL GLAZE 180	5%	R2096	1-216-216-00	METAL GLAZE 5.6K	5% 1/8W
R2033	1-216-113-00	METAL GLAZE 470K	5%	R2097	1-216-041-00	METAL GLAZE 470	5% 1/10W
R2034	1-216-113-00	METAL GLAZE 470K	5%	R2098	1-216-041-00	METAL GLAZE 470	5% 1/10W
R2035	1-216-113-00	METAL GLAZE 470K	5%	R2099	1-216-025-00	METAL GLAZE 100	5% 1/10W
R2036	1-216-113-00	METAL GLAZE 470K	5%	R2100	1-216-295-00	CONDUCTOR CHIP	5% 1/10W
R2037	1-216-022-00	METAL GLAZE 75	5%	R2101	1-216-025-00	METAL GLAZE 100	5% 1/10W
R2038	1-216-113-00	METAL GLAZE 470K	5%	R2102	1-216-295-00	CONDUCTOR CHIP	5% 1/10W
R2039	1-216-025-00	METAL GLAZE 100	5%	R2103	1-216-025-00	METAL GLAZE 100	5% 1/10W
R2040	1-216-031-00	METAL GLAZE 180	5%	R2104	1-216-295-00	CONDUCTOR CHIP	5% 1/10W
R2041	1-216-025-00	METAL GLAZE 100	5%	R2105	1-216-022-00	METAL GLAZE 75	5% 1/10W
R2042	1-216-025-00	METAL GLAZE 100	5%	R2106	1-216-022-00	METAL GLAZE 75	5% 1/10W
R2043	1-216-025-00	METAL GLAZE 100	5%	R2107	1-216-022-00	METAL GLAZE 75	5% 1/10W
R2044	1-216-025-00	METAL GLAZE 100	5%	R2108	1-216-022-00	METAL GLAZE 75	5% 1/10W
R2045	1-216-025-00	METAL GLAZE 100	5%	R2109	1-216-033-00	METAL GLAZE 220	5% 1/10W
R2046	1-216-025-00	METAL GLAZE 100	5%	R2111	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R2047	1-216-025-00	METAL GLAZE 100	5%	R2113	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R2048	1-216-025-00	METAL GLAZE 100	5%	R2115	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R2049	1-216-025-00	METAL GLAZE 100	5%				
R2050	1-216-025-00	METAL GLAZE 100	5%				
R2051	1-216-079-00	METAL GLAZE 18K	5%				
R2052	1-216-170-00	METAL GLAZE 68	5%				
R2053	1-216-049-00	METAL GLAZE 1K	5%				
R2054	1-216-061-00	METAL GLAZE 3.3K	5%				
R2055	1-216-113-00	METAL GLAZE 470K	5%				
R2056	1-216-025-00	METAL GLAZE 100	5%				
R2057	1-216-025-00	METAL GLAZE 100	5%				
R2058	1-216-031-00	METAL GLAZE 180	5%				
R2059	1-216-674-11	METAL CHIP 9.1K	0.50%				
R2060	1-216-025-00	METAL GLAZE 100	5%				
R2061	1-216-025-00	METAL GLAZE 100	5%				
R2062	1-216-025-00	METAL GLAZE 100	5%				
R2063	1-216-025-00	METAL GLAZE 100	5%				
R2064	1-216-059-00	METAL GLAZE 2.7K	5%				
R2065	1-216-059-00	METAL GLAZE 2.7K	5%				
R2066	1-216-059-00	METAL GLAZE 2.7K	5%				
R2067	1-216-059-00	METAL GLAZE 2.7K	5%				
R2068	1-216-059-00	METAL GLAZE 2.7K	5%				
R2069	1-216-022-00	METAL GLAZE 75	5%				
R2070	1-216-022-00	METAL GLAZE 75	5%				
R2071	1-216-113-00	METAL GLAZE 470K	5%				
R2072	1-216-113-00	METAL GLAZE 470K	5%				
R2073	1-216-113-00	METAL GLAZE 470K	5%				
R2074	1-216-113-00	METAL GLAZE 470K	5%				
R2075	1-216-049-00	METAL GLAZE 1K	5%				
R2076	1-216-089-00	METAL GLAZE 47K	5%				
R2077	1-216-025-00	METAL GLAZE 100	5%				
R2078	1-216-025-00	METAL GLAZE 100	5%				
R2079	1-216-025-00	METAL GLAZE 100	5%				
R2080	1-216-025-00	METAL GLAZE 100	5%				
R2081	1-216-025-00	METAL GLAZE 100	5%				
R2082	1-216-025-00	METAL GLAZE 100	5%				
R2083	1-216-025-00	METAL GLAZE 100	5%				
R2084	1-216-031-00	METAL GLAZE 180	5%				
R2085	1-216-031-00	METAL GLAZE 180	5%				
R2086	1-216-061-00	METAL GLAZE 3.3K	5%				
R2087	1-216-065-00	METAL GLAZE 4.7K	5%				
R2088	1-216-113-00	METAL GLAZE 470K	5%				
R2089	1-216-113-00	METAL GLAZE 470K	5%				
R2090	1-216-065-00	METAL GLAZE 4.7K	5%				
R2091	1-216-170-00	METAL GLAZE 68	5%				
R2092	1-216-061-00	METAL GLAZE 3.3K	5%				
R2093	1-216-057-00	METAL GLAZE 2.2K	5%				
R2094	1-216-170-00	METAL GLAZE 68	5%				
R2095	1-216-216-00	METAL GLAZE 5.6K	5%				
R2096	1-216-216-00	METAL GLAZE 5.6K	5%				
R2097	1-216-041-00	METAL GLAZE 470	5%				
R2098	1-216-041-00	METAL GLAZE 470	5%				
R2099	1-216-025-00	METAL GLAZE 100	5%				
R2100	1-216-295-00	CONDUCTOR CHIP	5%				
R2101	1-216-025-00	METAL GLAZE 100	5%				
R2102	1-216-295-00	CONDUCTOR CHIP	5%				
R2103	1-216-025-00	METAL GLAZE 100	5%				
R2104	1-216-295-00	CONDUCTOR CHIP	5%				
R2105	1-216-022-00	METAL GLAZE 75	5%				
R2106	1-216-022-00	METAL GLAZE 75	5%				
R2107	1-216-022-00	METAL GLAZE 75	5%				
R2108	1-216-022-00	METAL GLAZE 75	5%				
R2109	1-216-033-00	METAL GLAZE 220	5%				
R2111	1-216-059-00	METAL GLAZE 2.7K	5%				
R2113	1-216-059-00	METAL GLAZE 2.7K	5%				
R2115	1-216-059-00	METAL GLAZE 2.7K	5%				

**KP-41S3/41S3K/41S3U**  
RM-831 RM-831 RM-831



Les composants identifiés par une trame et une marque U sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark U are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK
R2116	1-216-025-00	METAL GLAZE 100	5% 1/10W
R2117	1-216-025-00	METAL GLAZE 100	5% 1/10W
R2118	1-216-025-00	METAL GLAZE 100	5% 1/10W
R2119	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R2120	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R2121	1-216-097-00	METAL GLAZE 100K	5% 1/10W
R2122	1-216-041-00	METAL GLAZE 470	5% 1/10W
R2123	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R2124	1-216-041-00	METAL GLAZE 470	5% 1/10W
R2125	1-216-031-00	METAL GLAZE 180	5% 1/10W
R2126	1-216-031-00	METAL GLAZE 180	5% 1/10W
R2127	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R2128	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R2129	1-216-031-00	METAL GLAZE 180	5% 1/10W
R2130	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R2131	1-216-031-00	METAL GLAZE 180	5% 1/10W
R2132	1-216-031-00	METAL GLAZE 180	5% 1/10W
R2133	1-216-031-00	METAL GLAZE 180	5% 1/10W
R2134	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R2135	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R2136	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R2137	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R2138	1-216-031-00	METAL GLAZE 180	5% 1/10W
R2139	1-216-031-00	METAL GLAZE 180	5% 1/10W

<SWITCH>

S2001 1-572-084-11 SWITCH, SLIDE

<TERMINAL BOARD>

TB2001 1-537-712-11 TERMINAL, PUSH

MISCELLANEOUS

Δ 1-223-925-11	RESISTOR ASSY (HIGH-VOLTAGE)
Δ 1-452-790-11	NECK ASSY
Δ 1-452-790-21	NECK ASSY
1-505-426-11	SPEAKER
Δ 1-690-270-21	CORD, POWER (WITH CONNECTOR)
	2.5A/250V(KP-41S3K)
Δ 1-765-286-11	CORD, POWER (KP-41S3)
Δ 1-776-860-11	POWER COARD, FILTER (UK) (KP-41S3U)
Δ 6-451-463-41	DEFLECTION YOKE Y829FA2N
Δ 1-451-463-21	DEFLECTION YOKE Y829FA2N2
Δ 8-598-945-11	BLOCK ASSY, HIGH-VOLTAGE
V901	Δ 8-733-496-05 PICTURE TUBE 07MAC2(R)
V902	Δ 8-733-494-05 PICTURE TUBE 07MAC2(G)
V903	Δ 8-733-492-05 PICTURE TUBE 07MAC2(B)

ACCESSORIES AND PACKING MATERIALS

\* 3-756-296-11 INSTRUCTION  
7-632-203-13 TAPE, ADHESIVE(19MMX33M) S4008

REMOTE COMMANDER

1-467-272-11 REMOTE COMMANDER (RM-831)  
9-903-466-01 POCKET, COVER (FOR RM-831)

**Sony Corporation**  
Display Company  
Quality Engineering Dept

9-965-112-01

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